ASSESSMENT DAY

College of Arts and Sciences

School of Biological and Physical Sciences

November 19, 2018

Strengths

Challenges

Recommendations

Academic Assessment

	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	• Quality of assessment practices	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	• Enrollment, retention, completion • Industry certifications and job placement • Program budget and staffing • Advisory committees • Curriculum changes	Committee of peers	Year 3
Assessment Day	Course/ Program	• Enrollment by demographics • Graduation and retention • Average class size • Course success rate • Placement rate • SLOs, PLOs and ILOs	Program Chair and Faculty	Years 1, 2, 3

Programs

2230 - Environmental Science Technology

Last Assessment Day – Action Items

04/20/2018:

1. Work study for chemistry lab and biology lab
2. Advising, esp. for anatomy and physiology students
3. Mandatory advising
4. Core pathways

BCH3023 - Course Learning Outcomes

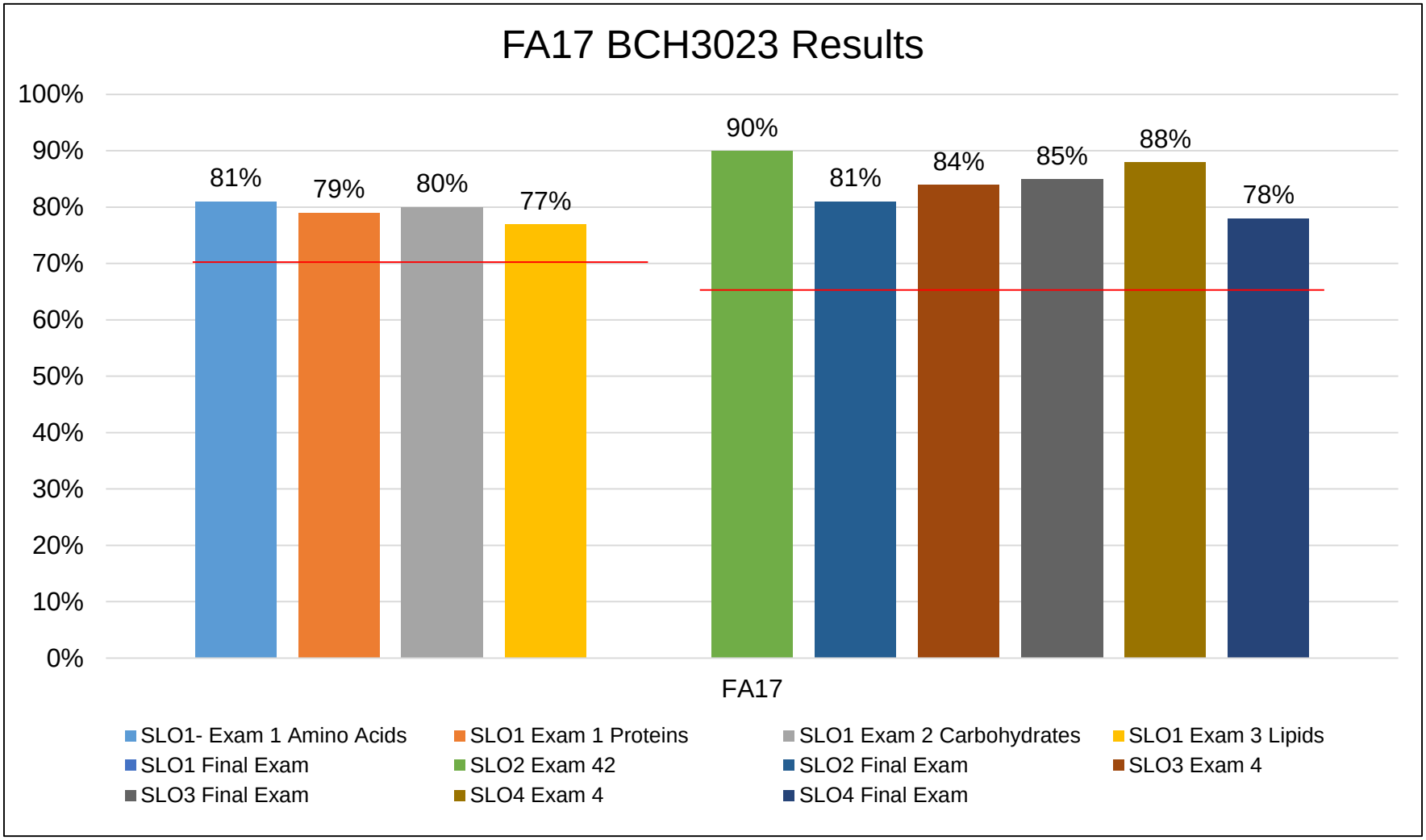
SLO1: Demonstrate knowledge of amino acids, proteins, carbohydrates, lipids, structure and function.

SLO2: Demonstrate knowledge of biological membranes and transportation.

SLO3: Demonstrate knowledge of the basic concepts of cellular metabolism and storage.

SLO4: Demonstrate knowledge of cellular signaling.

BCH3023 - Course Assessment Results 2017-2018



2017-18 Success Rate: 94%

BSC1005 - Course Learning Outcomes

SLO1: Identify basic plant and animal cell organelles and their function.

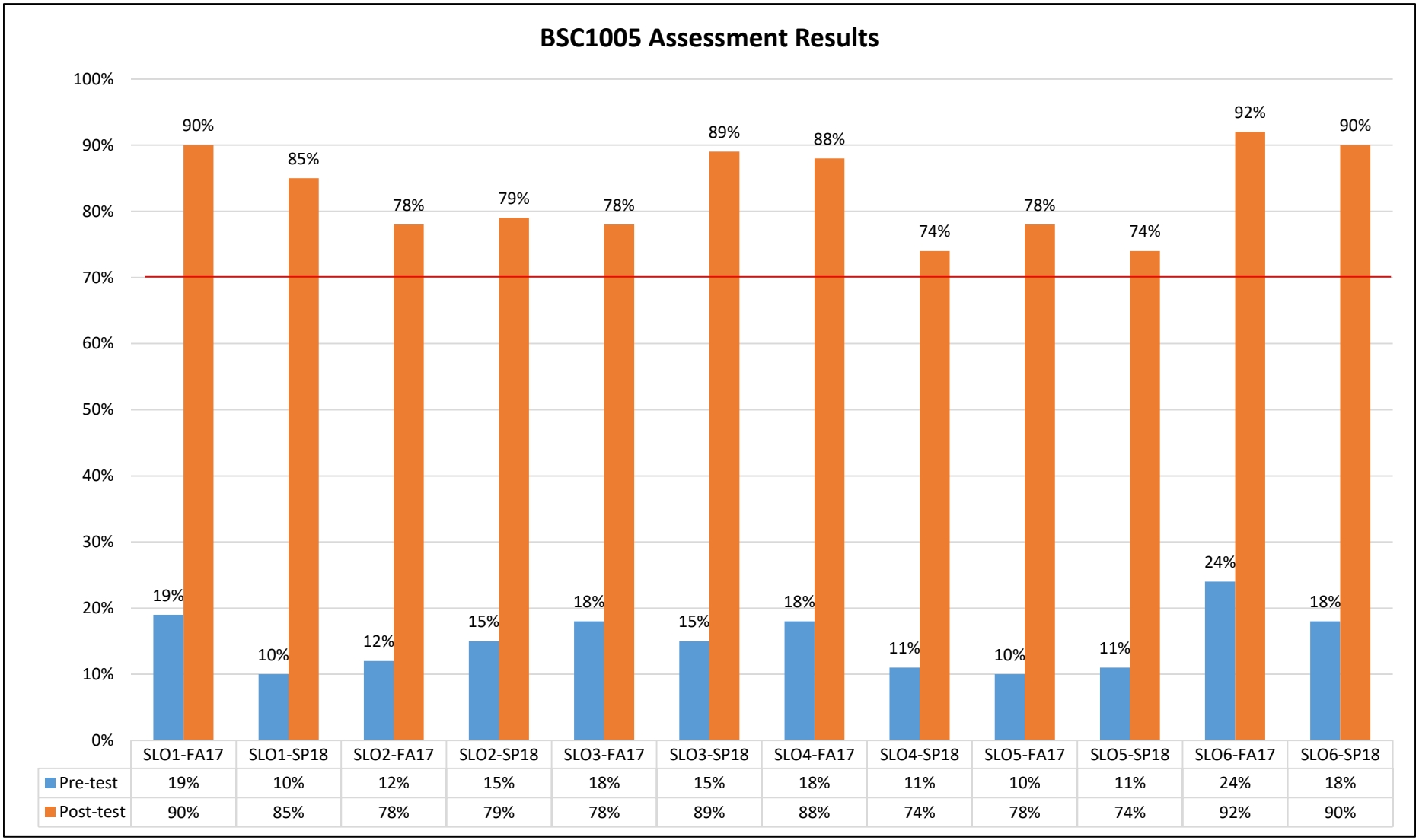
SLO2: Name and describe the processes of mitosis.

SLO3: Use the principles of heredity to solve one gene problems.

SLO4: Describe the biological classification of organisms and give examples of each group.

SLO5: Identify male and female reproductive organs and their function.

BSC1005 - Course Assessment Results 2017-2018



	SLO1-FA17	SLO1-SP18	SLO2-FA17	SLO2-SP18	SLO3-FA17	SLO3-SP18	SLO4-FA17	SLO4-SP18	SLO5-FA17	SLO5-SP18	SLO6-FA17	SLO6-SP18
Pre-test	19%	10%	12%	15%	18%	15%	18%	11%	10%	11%	24%	18%
Post-test	90%	85%	78%	79%	78%	89%	88%	74%	78%	74%	92%	90%

2017-18 Success Rate: 77%

BSC1010C - Course Learning Outcomes

SLO 1: Describe the basic chemical molecules of life. *(1, 2, 4)*

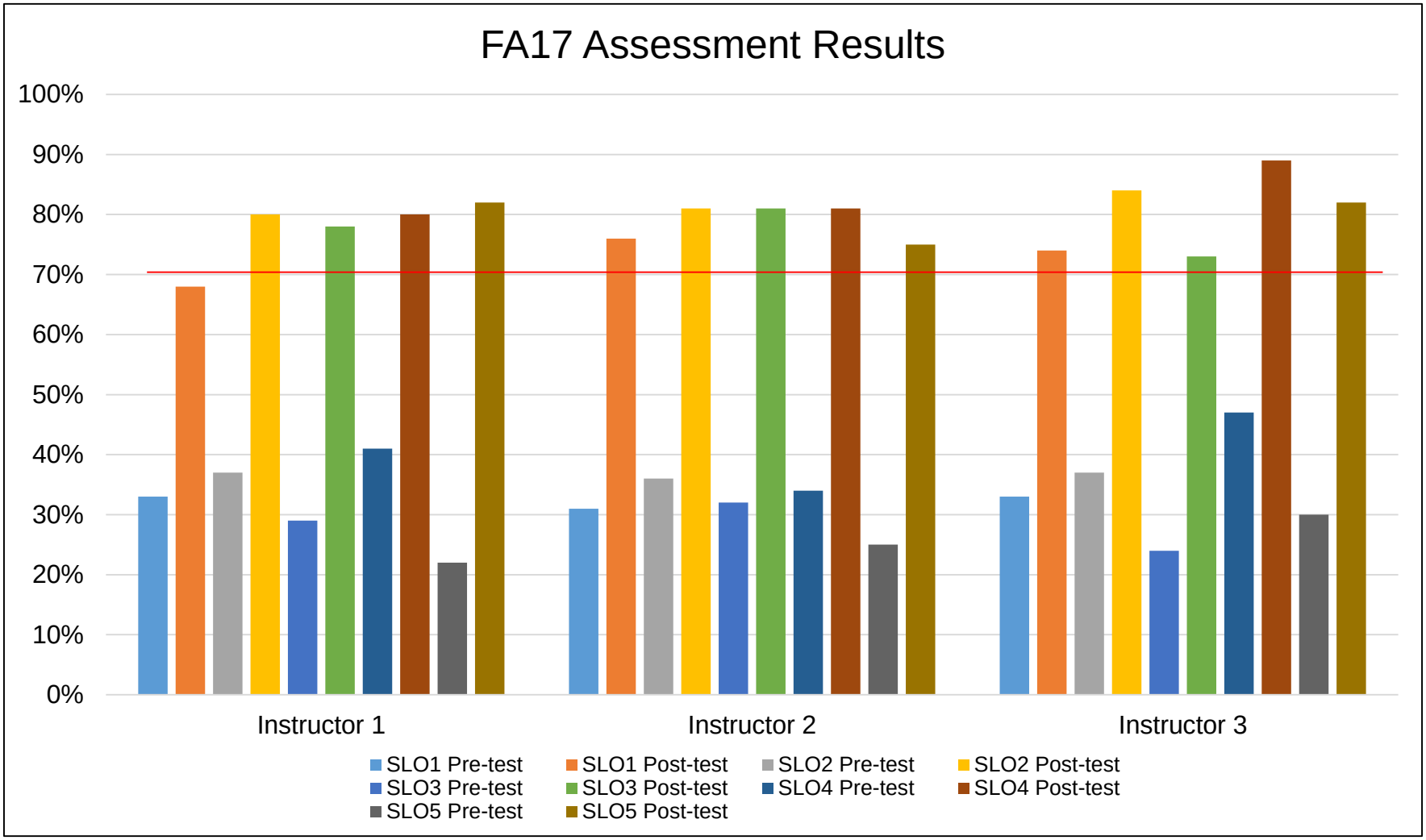
SLO 2: Distinguish between the different types of cells and identify basic cellular structures and their functions. *(1)*

SLO 3: Describe energy and ATP production during the process of cellular respiration and the conversion of light energy into the chemical bonds of sugar during photosynthesis. *(1)*

SLO 4: Describe the structure of DNA, its replication and protein synthesis. *(1)*

SLO 5: Use the principles of Mendelian Genetics to solve problems. *(1)*

BSC1010C - Course Assessment Results 2017-2018



2017-18 Success Rate: 70%

BSC1086C - Course Learning Outcomes

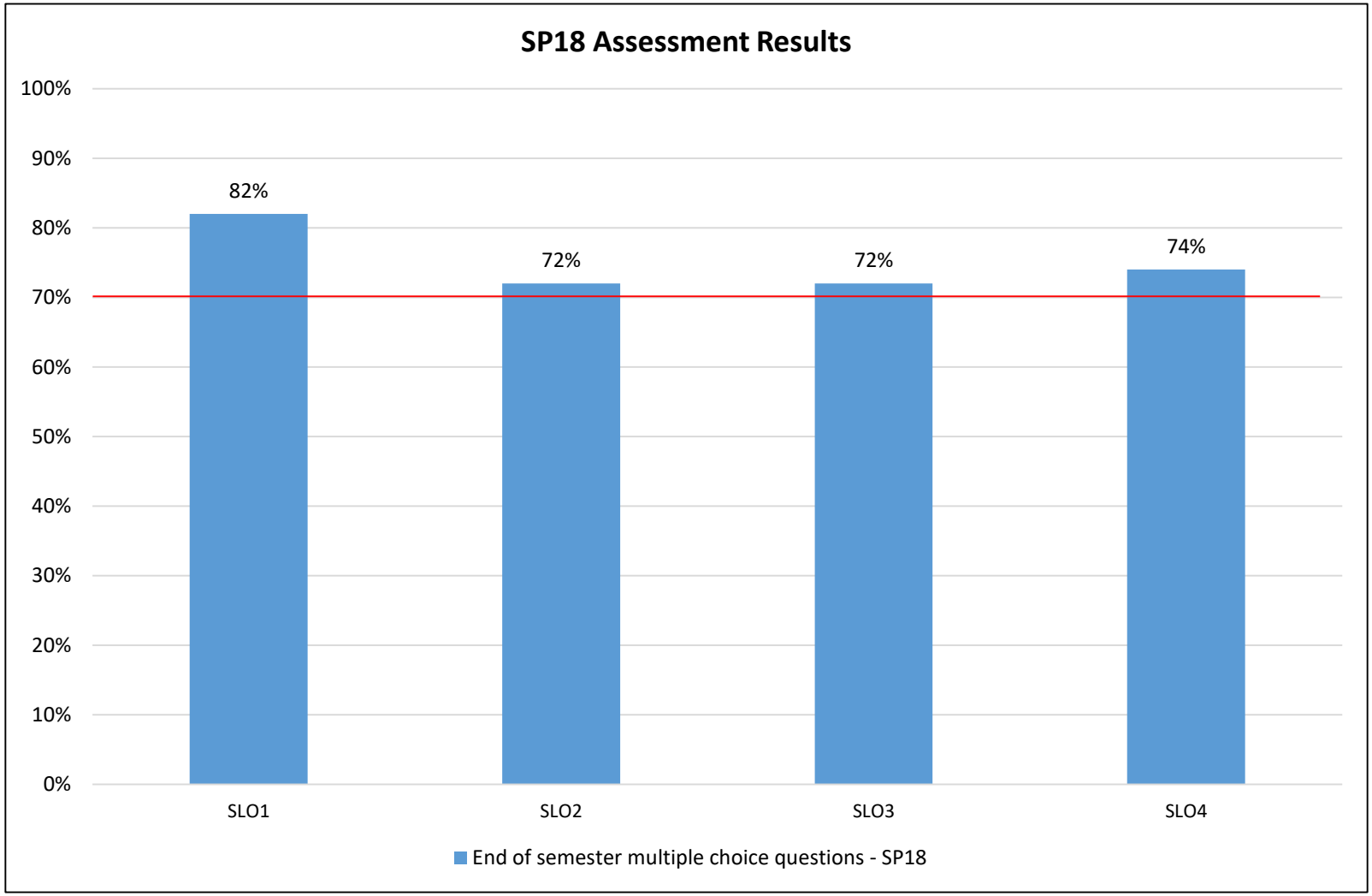
SLO 1: Identify the structures and organs of the ANS, digestive, urinary, circulatory, respiratory, endocrine and reproductive systems.

SLO 2: Explain the physiology of the above seven systems.

SLO 3: Demonstrate the homeostatic mechanisms of each system.

SLO 4: Demonstrate the interrelationships between the systems studied and how they relate to the well-being of the human organism.

BSC1086C - Course Assessment Results 2017-2018



2017-18 Success Rate: 85%

CHM1025C - Course Learning Outcomes

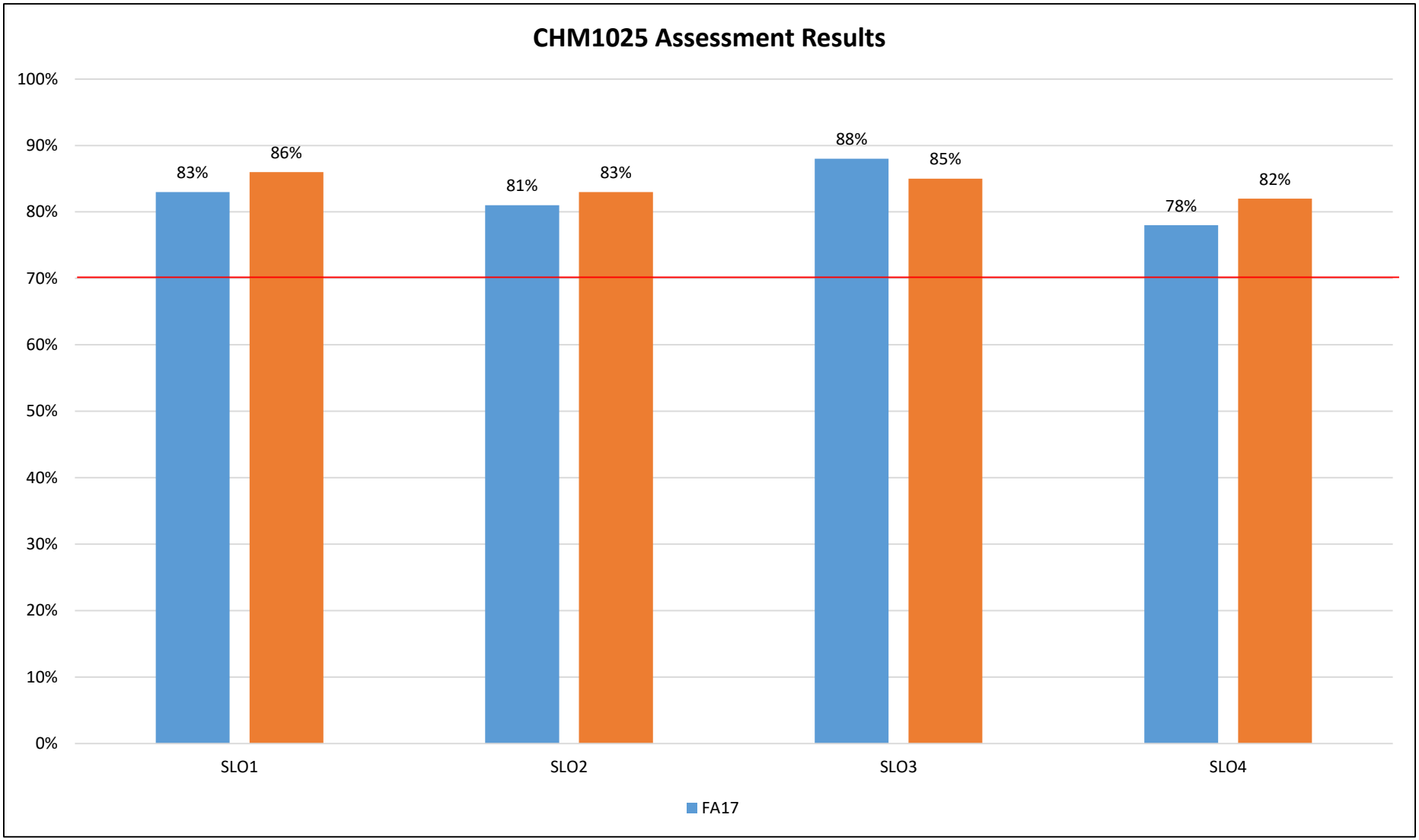
SLO 1: Demonstrate that all measured numbers contain a certain degree of error.

SLO 2: Demonstrate knowledge of the evolution of atomic structure theories.

SLO 3: Employ basic math techniques to solve common chemistry problems.

SLO 4: Demonstrate basic chemistry vocabulary.

CHM1025C - Course Assessment Results 2017-2018



Assessment measures were not specified

2017-18 Success Rate: 86%

CHM1045C - Course Learning Outcomes

SLO 1: Perform fundamental calculations such as Molar Mass., Empirical Formula and % Composition.

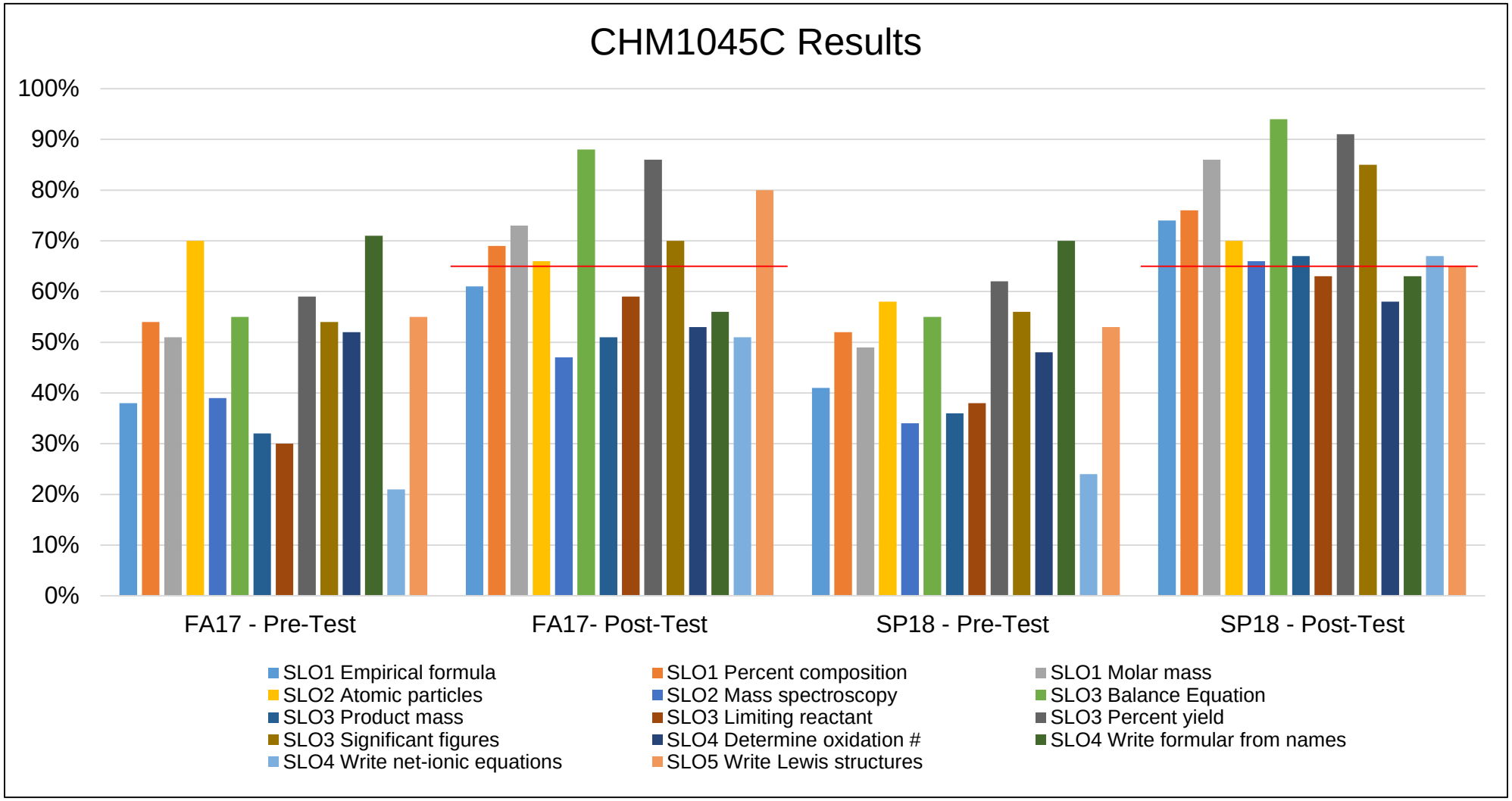
SLO 2: Describe both the gross and fine structures of the atom, with emphasis on correct electron configuration.

SLO 3: Balance equations and relate coefficients to stoichiometric calculations involving mass, particles, solution volumes, gas volumes and energy.

SLO 4: Use oxidation numbers in the writing of formulas and conversely to frame compounds using correct formulas and oxidation numbers.

SLO 5: Discuss chemical bonding of elements.

CHM1045C - Course Assessment Results 2017-2018



2017-18 Success Rate: 74%

CHM1046C - Course Learning Outcomes

SLO 1: Discuss the correlation between molecular geometry, interparticle forces, and physical properties like boiling points, vapor pressure and solubility.

SLO 2: Calculate values needed to predict colligative properties of mixtures.

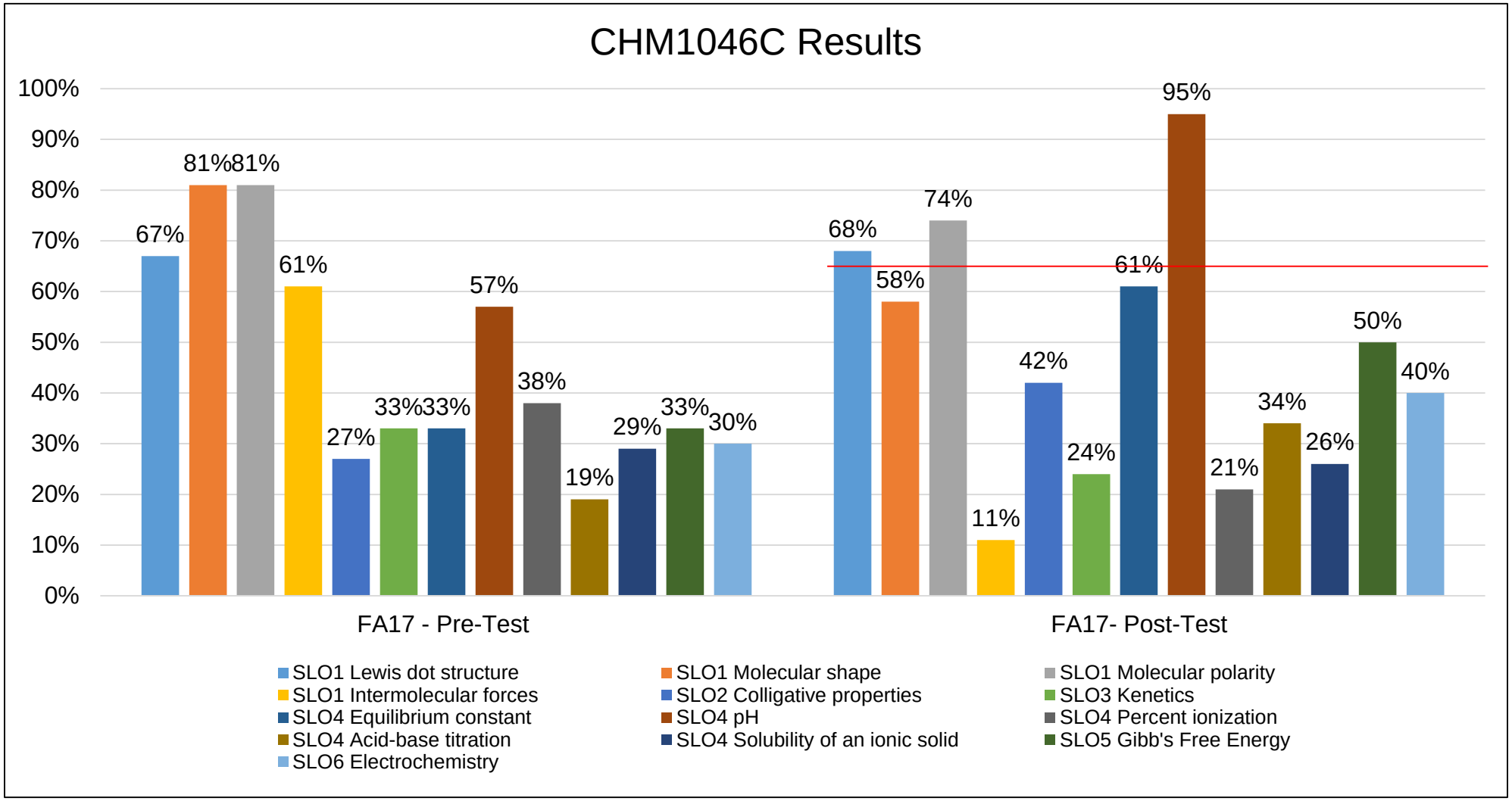
SLO 3: Interpret mathematically and graphically chemical kinetics data to ascertain kinetic and mechanistic information about reactions.

SLO 4: Manipulate equilibrium constant data for molecular and ionic equilibrium; then use those answers to make predictions about reactions.

SLO 5: Discuss the relationship of Gibbs Free Energy to Spontaneity and equilibrium constants for chemical reactions.

SLO 6: Sketch and perform calculations for both galvanic and electrolytic cells. Relate the results to equilibrium constants and the spontaneity of the cell

CHM1046C - Course Assessment Results 2017-2018



2017-18 Success Rate: 89%

CHM2210C - Course Learning Outcomes

SLO 1: Identify the major functional groups.

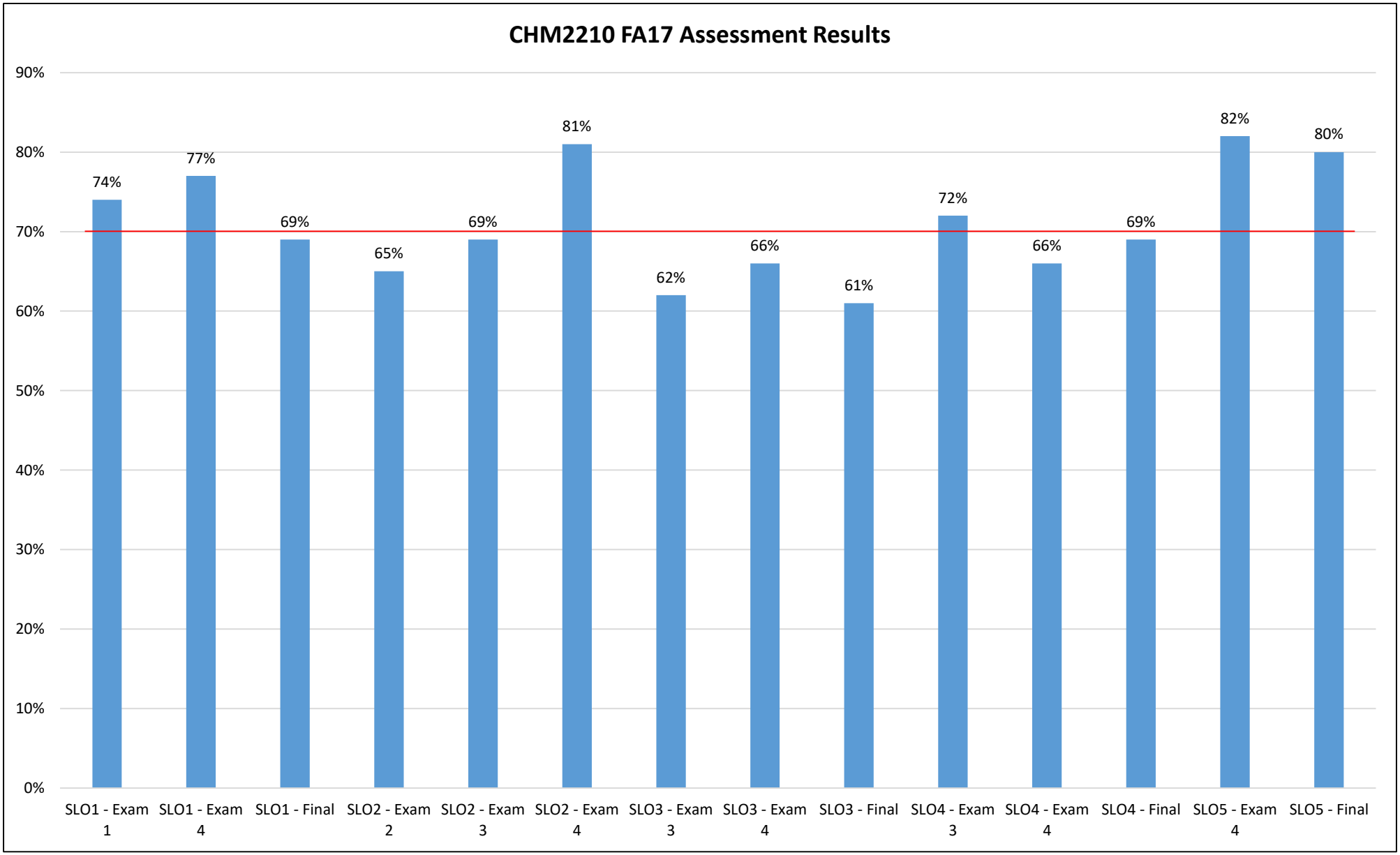
SLO 2: Identify the products of chemical reactions of the functional groups covered.

SLO 3: Apply an understanding of chemical reactions to multi-step synthesis of organic compounds.

SLO 4: Apply the concepts of stereochemistry to organic reactions.

SLO 5: Identify compounds on the basis of the evidence of spectroscopic tests

CHM2210C - Course Assessment Results 2017-2018



2017-18 Success Rate: 100%

MCB1010C - Course Learning Outcomes

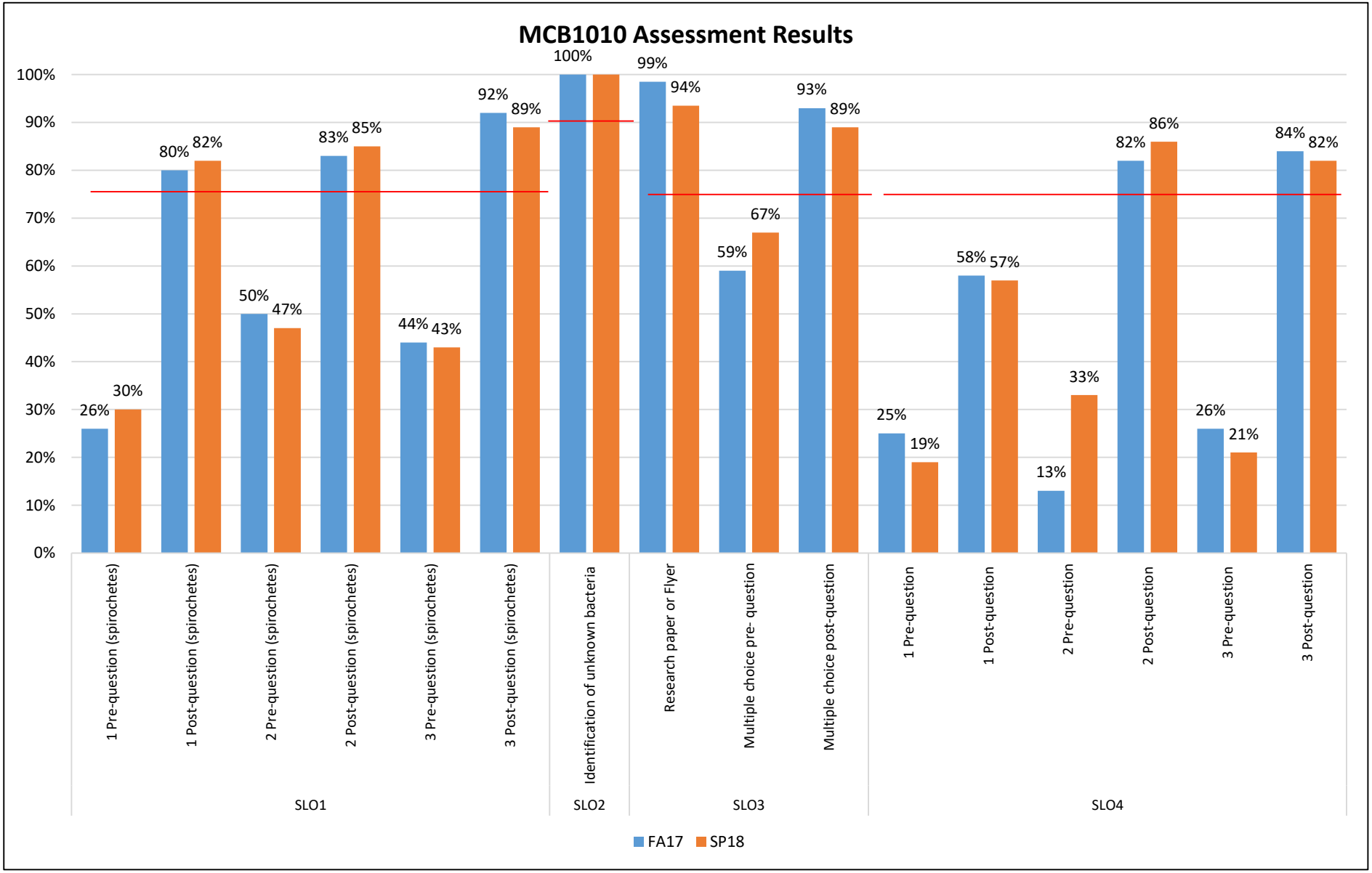
SLO 1: Describe morphological and structural features of bacteria and its function in the organism.

SLO 2: Operate the microscope to observe bacteria stained with various staining procedures.

SLO 3: Describe how infectious agents may be transmitted to a host and how they may cause disease.

SLO 4: Describe the nonspecific and specific immune host responses to an infectious agent.

MCB1010C - Course Assessment Results 2017-2018



2017-18 Success Rate: 88%

OCE1001 - Course Learning Outcomes

SLO 1: Identify Earth's oceans ad their major features on a map of the world.

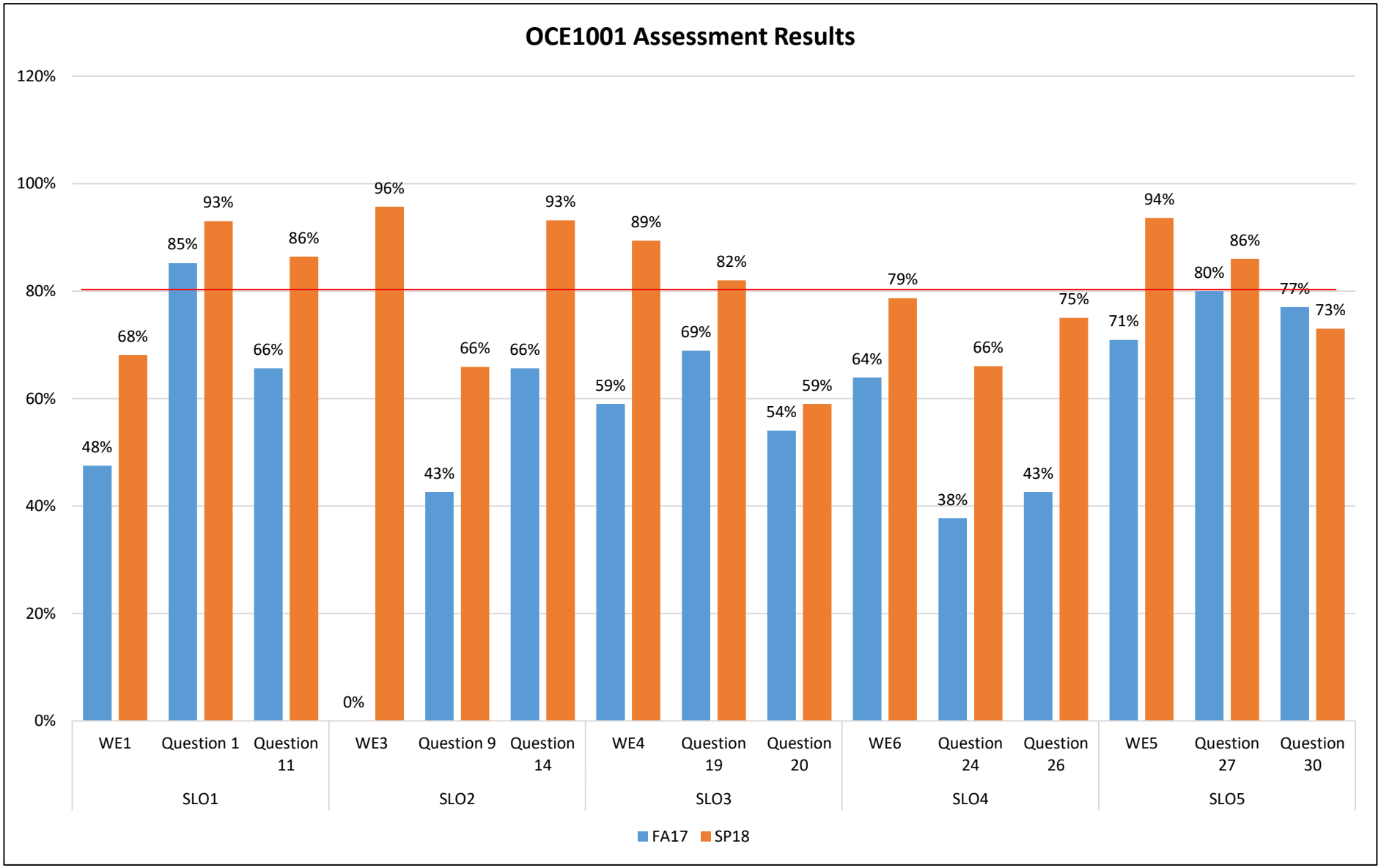
SLO 2: Explain plate tectonics and the features of the sea floor including the sediments, rocks and mineral deposits.

SLO 3: Explain the chemical and physical properties of seawater.

SLO 4: Evaluate the coupling effects of ocean and atmosphere.

SLO5: Distinguish types of ocean currents and the causes and nature of tides and waves.

OCE1001 - Course Assessment Results 2017-2018



2017-18 Success Rate: 87%

OCE2013C - Course Learning Outcomes

SLO 1: Research and evaluate the multi-disciplinary phenomena that occur in the aquatic environment.

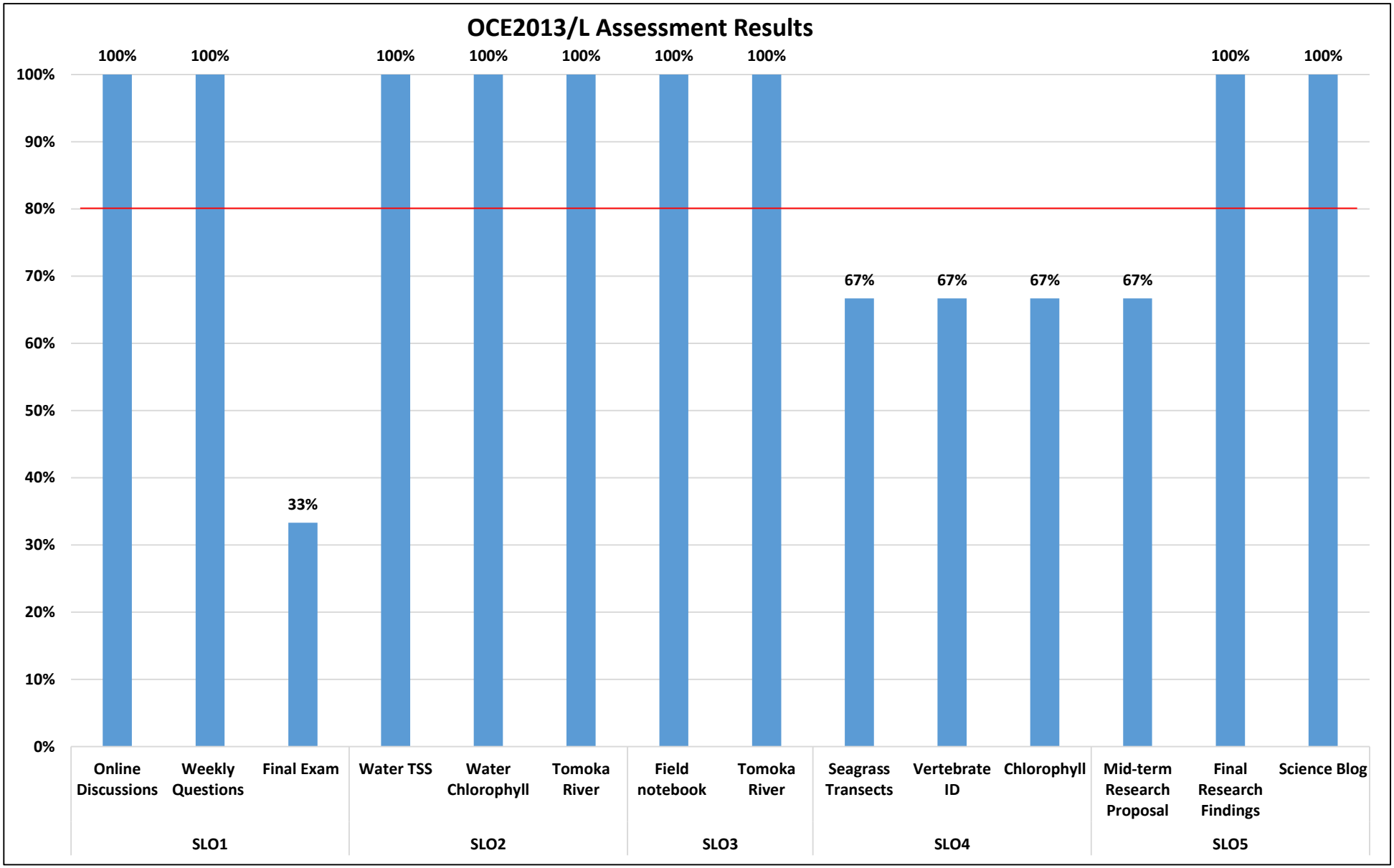
SLO 2: Calibrate and operate field and laboratory equipment for water quality measurements.

SLO 3: Appropriately collect water and sediment samples from various field locations for field and laboratory analysis.

SLO 4: Prepare graphics to suitably support the interpretation of field observations and laboratory analysis.

SLO5: Design and defend an effective presentation of their data.

OCE2013C - Course Assessment Results 2017-2018



2017-18 Success Rate: 100%

PCB3060 - Course Learning Outcomes

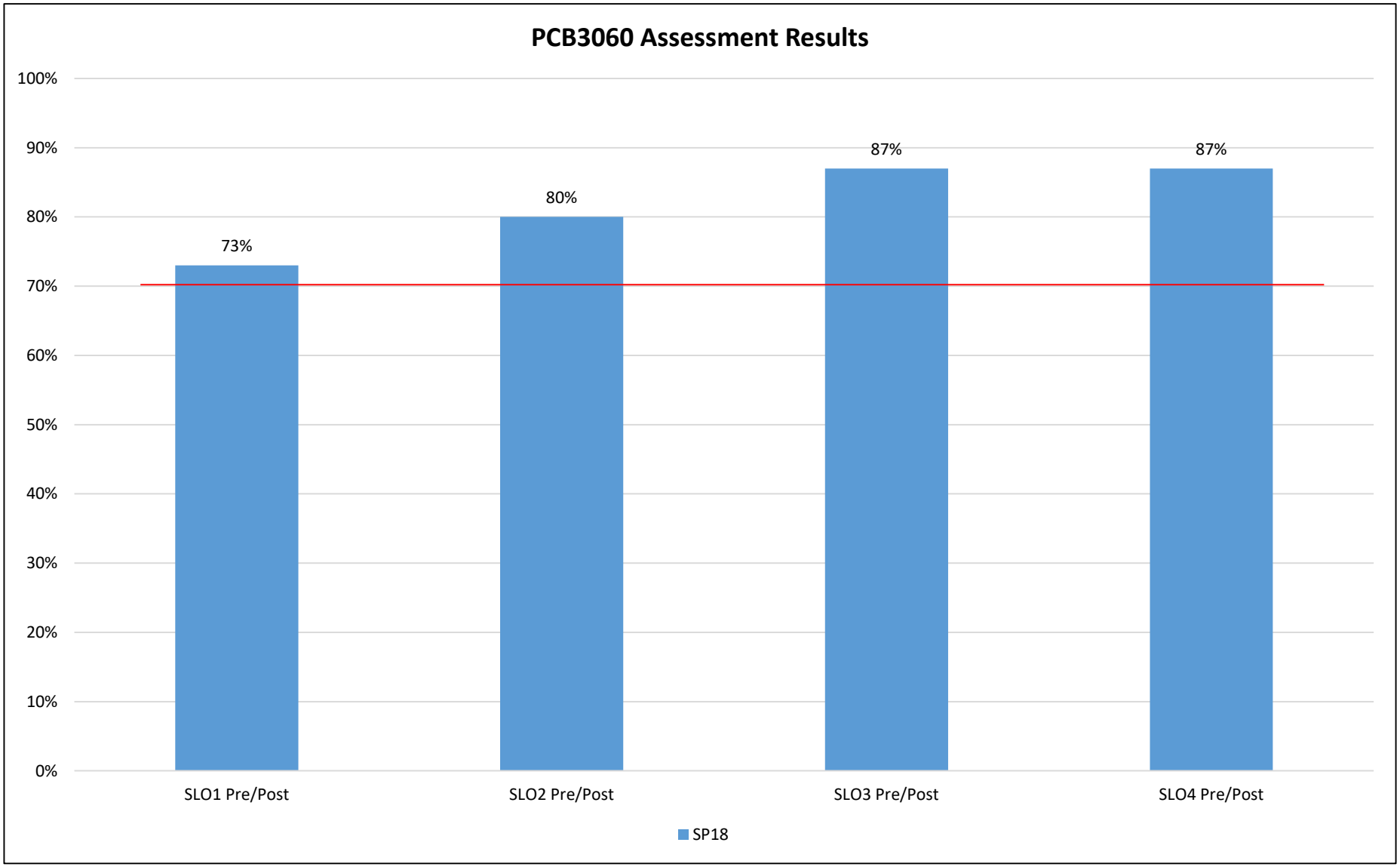
SLO 1: Use basic principles of heredity to solve genetic problems and solve population genetics problems using the Hardy-Weinberg equation and identify the assumptions upon which it is based.

SLO 2: Describe replication, transcription and translation, listing the molecules and events of each process and differences between prokaryotes and eukaryotes.

SLO 3: Distinguish between the various structures and functions of DNA and RNA and describe the processes of DNA mutation and repair.

SLO 4: Describe how mutations and chromosomal variations occur and explain their consequences.

PCB3060 - Course Assessment Results 2017-2018



2017-18Success Rate: 100%

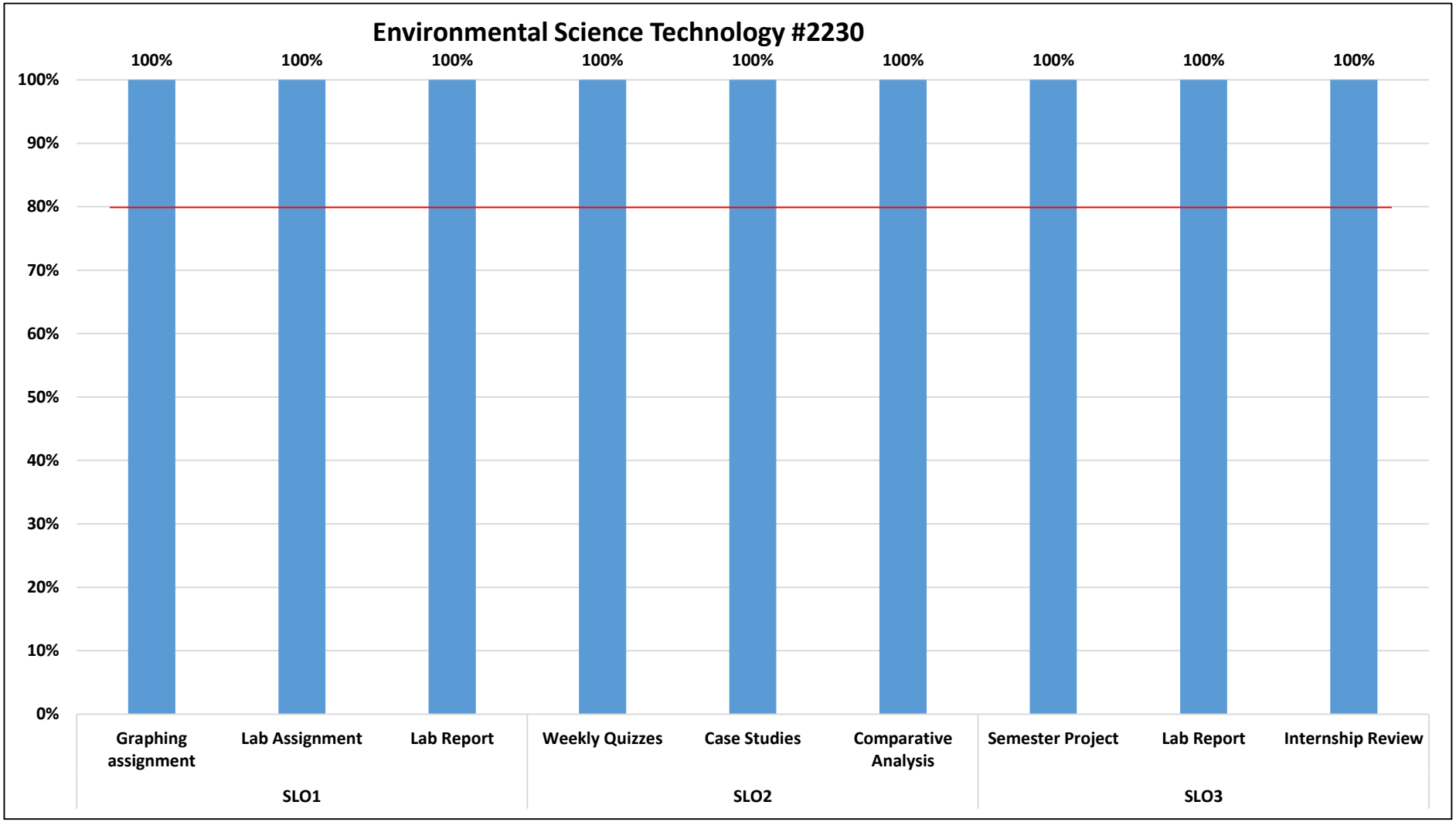
Environmental Science Technology # 2230
Program Learning Outcomes

SLO 1: Students will be able to identify and explain environmental processes and human - environment interactions. *(1, 2,3,4)*

SLO 2: Students will be able to apply interdisciplinary perspectives and approaches in order to critically analyze and evaluate environmental issues on local and global scales. *(1,2,4)*

SLO 3: Students will be able to monitor, sample and evaluate environmental conditions and design effective presentations of their data. *(1, 2, 4)*

Environmental Science Technology # 2230 Program Assessment Results 2017-2018



Target: 70% of students will achieve an 80% or higher in all assessment measures

Assessment Data 2016-2017 and 2017-2018 : Programs and Institutional Learning Outcomes

Program	Critical/ Creative Thinking		Communication		Cultural Literacy		Information and Technical Literacy	
	2016-2017	2017-2018	2016-2017	2017-2018	2016-2017	2017-2018	2016-2017	2017-2018
Environmental Science Technology (2230)	82%-100%	100%	82%-100%	100%	75%-88%	100%	63%-100%	100%

Course Success Rate (1 of 3)

Major or Department, Associated Courses and Instructional Method		2014-2015		2015-2016		2016-2017		2017-2018	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI-Biological & Physical Science	AST1002	551	87%	712	82%	685	86%	683	78%
	BOT1010C	38	92%	37	81%	40	90%	33	82%
	BOT2150			9	89%	7	57%	7	71%
	BSC1005	747	82%	902	82%	1242	77%	1213	77%
	BSC1010C	523	70%	612	73%	674	68%	679	70%
	BSC1011C	112	83%	143	69%	144	78%	173	79%
	BSC1020	664	76%	760	73%	629	71%	516	70%
	BSC1085C	1,366	62%	1536	63%	1514	63%	1475	66%
	BSC1086C	786	80%	958	81%	807	85%	926	85%
	BSC2930	440	79%	199	79%				
	CHM1020			75	87%	129	87%	103	83%
	CHM1025C	772	85%	813	86%	644	84%	497	86%
	CHM1045C	353	78%	373	77%	450	80%	468	74%
	CHM1046C	167	83%	152	85%	152	90%	179	89%
	CHM2210C	34	82%	49	96%	41	98%	39	95%
	CHM2211C	24	96%	37	97%	32	94%	25	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate (2 of 3)

Major or Department, Associated Courses and Instructional Method		2014-2015		2015-2016		2016-2017		2017-2018	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
SCI-Biological & Physical Science	EVR2001	7	100%	35	69%	165	68%	423	75%
	GLY2010C	16	100%	14	93%	5	100%	9	78%
	GLY2100			3	100%				
	MCB1010C	539	88%	628	86%	567	88%	672	88%
	MET2010	390	73%	293	73%	251	79%	138	84%
	OCB2000C	59	78%	48	77%	35	83%	25	92%
	OCE1001	143	78%	120	87%	172	82%	114	87%
	OCE2905			4	100%	3	100%	1	100%
	PHY1020	25	72%	48	73%	93	75%	45	82%
	PHY1053C	83	84%	115	89%	79	84%	87	92%
	PHY1054C	39	95%	29	97%	40	98%	42	95%
	PHY2048C	65	94%	110	89%	107	93%	91	90%
	PHY2049C	44	86%	59	97%	68	97%	70	96%
	PSC1121	792	90%	656	91%	424	92%	245	88%
Total			78%		79%		77%		78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate (3 of 3)

Major or Department, Associated Courses and Instructional Method		2014-2015		2015-2016		2016-2017		2017-2018	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
2230 – Environmental Science Tech.	EVR2861								
	EVR2933	5	100%	5	80%	5	60%	3	100%
	EVR2943			4	75%	5	60%	3	100%
	GIS2040C	16	94%	10	100%	16	75%	15	80%
	OCE2013C	7	86%	5	80%	5	100%	3	100%
	PCB2033C	5	100%	5	80%	9	100%	3	100%
Upper Division	BCH3023C	6	100%	10	100%	15	100%	16	94%
	CHM3085			8	100%			2	100%
	CHM3120C			4	100%	1	100%		
	PCB3034C	3	100%	5	80%	2	100%	2	100%
	PCB3060	11	64%	10	50%	7	100%	5	100%
	PCB3203	5	80%	8	88%	10	80%	7	100%
	BOT3151	2	50%	4	100%	3	100%	1	100%
	OCE3014C			4	100%	1	100%		

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Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (1 of 3)

Dept., Associated Courses and Campus			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	AST1002	Daytona								
		Deland	63	90%	89	89%	95	93%	83	77%
		Deltona					37	92%	36	78%
		Flagler/PC	66	97%	78	82%	38	92%	38	76%
	BSC1005	Daytona	327	87%	300	90%	331	85%	360	82%
		Deland	78	90%	66	95%	92	92%	68	79%
		Deltona	38	76%	29	86%	39	79%	36	61%
		Flagler/PC	91	79%	93	87%	118	86%	108	83%
		NSB	36	64%	37	57%	48	67%	34	59%
	BSC1010C	Daytona	279	59%	318	64%	351	58%	343	58%
		Deland	120	77%	164	80%	169	74%	173	83%
		Flagler/PC	85	91%	85	87%	91	88%	132	81%
		NSB	39	87%	45	73%	63	79%	31	81%
	BSC1011C	Daytona	100	82%	124	67%	123	77%	133	74%
		Deland	12	92%	19	79%	21	95%	40	98%
	BSC1020	Daytona	146	62%	127	61%	122	62%	51	69%
		Deland	119	87%	87	87%	50	82%	57	67%
		Deltona	26	88%	18	100%				

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (2 of 3)

Dept., Associated Courses and Campus			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1085C	Daytona	644	56%	757	50%	766	52%	696	54%
		Deland	371	58%	350	71%	331	74%	312	81%
		Flagler/PC	141	79%	143	68%	142	63%	140	59%
		NSB	54	80%	172	85%			34	74%
	BSC1086C	Daytona	344	78%	400	73%	277	77%	346	75%
		Deland	214	80%	177	83%	184	90%	179	94%
		Flagler/PC	98	85%	96	77%	68	75%	85	78%
		NSB	51	88%	175	93%				
	CHM1025C	Daytona	380	82%	386	80%	316	81%	197	85%
		Deland	129	87%	140	89%	108	83%	74	81%
		Flagler/PC	148	88%	131	92%	115	85%	92	83%
		NSB	35	83%	34	88%				
	CHM1045C	Daytona	283	78%	316	76%	355	73%	374	72%
		Deland	70	76%	57	86%	75	75%	75	85%
		Flagler/PC					20	75%	19	74%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (3 of 3)

Dept., Associated Courses and Campus			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Science	CHM1046C	Daytona	150	84%	139	84%	129	79%	153	91%
		Deland	17	71%	13	92%	13	85%	19	84%
		Flagler/PC					10	80%	7	71%
	MCB1010C	Daytona	211	82%	254	85%	198	84%	238	89%
		Deland	133	95%	145	94%	116	97%	172	92%
		Flagler/PC	96	98%	84	92%	114	91%	75	99%
		NSB	19	84%	65	82%				
	OCE1001	Daytona	67	82%	68	90%	83	80%	66	83%
		Deland					27	89%	17	100%
		Flagler/PC	24	75%	12	83%	35	83%	21	81%
		NSB	52	75%	40	83%	27	81%	10	100%
	PHY1053C	Daytona	66	85%	101	88%	66	83%	87	92%
		Deland	17	82%	14	93%	13	85%		
	PHY1054C	Daytona			16	94%	14	100%	42	95%
		Deland			13	100%	8	100%		
	PSC1121	Daytona	75	89%						
		Deland	28	96%	30	90%	28	89%	11	100%
		Deltona	38	82%						
		Flagler/PC	28	96%						

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Overall Course Success Rate by Campus

Dept., Associated Courses and Campus		2017-2018 Attempted	2017-2018 % Successful
Biological/ Physical Science	Daytona	3,693	74%
	Deltona	72	69%
	Deland	1,280	85%
	Flagler/Palm Cst	741	78%
	New Smyrna Beach	109	73%
	Online	3,200	79%
	Grand Total	9,095	78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate By Instructional Method – Multiple Methods Only (1 of 2)

Dept., Associated Courses and Instructional Method.			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Science	AST1002	Lecture	129	94%	167	86%	170	92%	157	77%
		Online	422	85%	545	81%	515	84%	526	78%
	BSC1005	Hybrid	54	78%	90	78%	39	85%	108	83%
		Lecture	516	84%	435	89%	589	84%	498	79%
		Online	177	76%	377	75%	614	69%	607	75%
	BSC1010C	Hybrid					45	93%	151	81%
		Lecture					629	66%	528	66%
	BSC1020	Lecture	291	75%	232	74%	172	68%	108	68%
		Online	373	77%	528	73%	457	72%	408	71%
	BSC1085C	Lecture	1210	60%	1250	58%	1168	59%	1008	62%
		Online	156	72%	286	84%	275	79%	293	80%
		Hybrid					71	63%	174	62%
	BSC1086C	Hybrid							85	78%
		Lecture	707	80%	673	76%	529	81%	525	82%
		Online	79	77%	285	93%	278	91%	316	92%
	BSC2930	Lecture	65	78%	34	82%				
		Online	375	79%	165	79%				

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rate By Instructional Method – Multiple Methods Only (2 of 2)

Dept., Associated Courses and Instructional Method			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Science	CHM1020	Hybrid			9	78%	36	97%	24	79%
		Online			66	88%	93	83%	79	85%
	CHM1025C	Hybrid	120	85%	198	91%	171	86%	173	84%
		Lecture	572	84%	493	82%	368	80%	190	83%
		Online	80	88%	122	94%	105	90%	134	91%
	EVR2001	Hybrid					105	69%	134	81%
		Online					60	68%	289	73%
	MCB1010C	Hybrid			28	71%	65	88%	92	97%
		Lecture	459	89%	455	90%	363	89%	364	90%
		Online	80	81%	145	77%	139	86%	216	80%
	MET2010	Lecture	143	65%	106	64%	77	69%	41	73%
		Online	247	78%	187	79%	174	84%	97	89%
	PHY1020	Online					55	76%	30	93%
		Lecture					38	74%	15	60%
	PHY1053C	Hybrid			41	83%			38	89%
		Lecture			74	92%	79	84%	49	94%
	PSC1121	Hybrid	28	96%						
		Lecture	141	89%	30	90%	28	89%	11	100%
		Online	623	90%	626	91%	396	92%	234	87%
DSC		Hybrid	84%		82%		81%		82%	
		Lecture	78%		80%		81%		83%	
		Online	76%		78%		76%		78%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Overall Course Success Rate by Instructional Method

Dept., Associated Courses and Campus		2017-2018 Attempted	2017-2018 % Successful
Biological/ Physical Science	IS	4	100%
	Online	3,229	80%
	Lecture	4,878	76%
	Hybrid	984	81%
Grand Total		9,095	78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (1 of 4)

Major or Dept., Associated Courses and Sub-session			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Science	AST1002	A term	69	84%	74	82%	73	79%	70	86%
		FA B term	42	83%	80	76%	68	85%	67	81%
		Full term	124	85%	165	85%	167	88%	156	76%
		A term	57	89%	81	89%	71	97%	69	78%
		SP B term	109	83%	157	76%	138	78%	142	68%
		Full term	65	97%	74	77%	75	93%	75	76%
		SU Full term	85	89%	81	90%	93	84%	104	88%
	BOT1010C	FA Full term	19	89%	20	80%	19	79%	13	69%
		SP Full term	19	95%	17	82%	21	100%	20	90%
	BSC1005	A term					74	62%	68	71%
		FA B term			38	68%	65	68%	71	66%
		Full term	372	81%	331	86%	430	81%	415	78%
		A term			72	82%	70	70%	67	78%
		SP B term			77	69%	73	56%	69	71%
		Full term	338	81%	384	84%	389	81%	375	81%
		SU Full term	37	95%			141	78%	148	76%
	BSC1010C	FA Full term	252	71%	290	74%	352	69%	392	70%
		SP Full term	233	67%	280	70%	290	64%	256	66%
		SU Full term	38	84%	42	81%	32	94%	31	94%
	BSC1011C	FA Full term	39	72%	32	59%	35	74%	39	67%
		SP Full term	62	87%	79	62%	79	77%	107	79%
		SU Full term	11	100%	32	94%	30	87%	27	96%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (2 of 4)

Dept., Associated Courses and Sub-session			2014-2015		2015-2016		2016-2017		2017-2018	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	BSC1020	FA A term	49	76%	59	58%	23	61%	34	74%
		FA B term	57	75%	67	54%	43	60%	57	63%
		FA Full term	270	75%	215	80%	188	69%	155	70%
		SP A term					44	73%	37	81%
		SP B term	74	77%	109	71%	40	65%	37	57%
		SP Full term	214	77%	188	74%	165	67%	92	61%
		SU Full term			122	81%	126	85%	104	83%
	BSC1085C	FA A term	17	82%	74	88%	68	91%	73	92%
		FA Full term	656	55%	650	66%	666	54%	676	67%
		SP A term	16	88%	36	89%	37	76%	54	81%
		SP Full term	573	65%	640	53%	577	63%	514	56%
		SU Full term	104	76%	136	74%	166	81%	158	73%
	BSC1086C	FA B term	17	82%	68	94%	63	95%	76	93%
		FA Full term	208	78%	211	75%	204	78%	200	80%
		SP B term	18	89%	54	89%	47	89%	52	94%
		SP Full term	396	78%	422	78%	326	86%	428	82%
		SU Full term	147	88%	203	87%	167	84%	170	91%
	BSC2930	FA B term								
		FA Full term	171	79%	137	79%				
		SP B term	56	77%						
		SP Full term	131	79%						
		SU Full term	82	80%	62	81%				

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (3 of 4)

Dept., Associated Courses and Sub-session				2014-2015		2015-2016		2016-2017		2017-2018	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	CHM1020	FA	Full term			24	83%	39	87%	39	92%
		SP	Full term			51	88%	76	87%	64	78%
		SU	Full term					14	86%		
	CHM1025C	FA	Full term	343	84%	334	82%	299	83%	211	82%
		SP	Full term	357	84%	382	88%	245	82%	206	87%
		SU	Full term	72	94%	97	93%	100	91%	80	90%
	CHM1045C	FA	Full term	151	81%	157	79%	217	71%	225	75%
		SP	Full term	148	78%	167	71%	180	73%	168	69%
		SU	Full term	54	69%	49	92%	53	83%	75	84%
	CHM1046C	FA	Full term	35	66%	32	63%	29	66%	25	76%
		SP	Full term	88	84%	82	89%	73	78%	89	90%
		SU	Full term	44	93%	38	95%	50	90%	65	94%
	CHM2905	FA	Full term	1	100%						
		SP	Full term	1	100%						
	EVR2001	FA	A term							69	78%
			B term							73	73%
			Full term			6	83%	71	65%	72	82%
		SP	A term							68	72%
			B term							79	68%
			Full term			29	66%	94	71%	62	81%
	MCB1010C	FA	Full term	195	86%	250	87%	175	85%	229	89%
		SP	Full term	247	87%	316	84%	271	87%	304	85%
		SU	Full term	97	95%	62	94%	121	95%	139	91%
	MET2010	FA	Full term			126	75%	109	76%	49	80%
		SP	Full term			88	65%	80	75%	60	85%
		SU	Full term			79	81%	62	90%	29	90%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Course Success Rates- Multiple Sessions or Sub-sessions Only (4 of 4)

Dept., Associated Courses and Sub-session				2014-2015		2015-2016		2016-2017		2017-2018	
				Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
Biological/ Physical Sciences	OCB2000C	FA	Full term	40	75%	28	75%	21	90%	16	94%
		SP	Full term	19	84%	20	80%	14	71%	9	89%
	OCE1001	FA	Full term	63	89%	57	82%	74	78%	64	89%
		SP	Full term	80	70%	63	90%	98	85%	50	84%
	OCE2905	FA	Full term					2	100%		
		SP	Full term					1	100%		
	PHY1020	FA	Full term			10	90%	55	76%	30	93%
		SP	Full term			38	68%	38	74%	15	60%
	PHY1053C	FA	Full term	83	84%	74	92%	53	81%	49	94%
		SP	Full term			41	83%	26	88%	38	89%
	PHY1054C	SP	Full term	39	95%			22	100%	23	91%
		SU	Full term					18	94%	19	100%
	PHY2048C	FA	Full term	65	94%	74	88%	68	93%	51	92%
		SP	Full term			36	92%	39	95%	40	88%
	PHY2049C	SP	Full term	44	86%			49	98%	40	98%
		SU	Full term					19	95%	30	93%
	PSC1121	FA	A term	86	87%	96	93%	76	92%	36	89%
			B term	65	92%	77	92%	84	90%	46	89%
			Full term	211	90%	116	91%				
		SP	A term	95	91%	83	90%	74	92%	71	87%
			B term	97	84%	83	87%	81	89%	32	78%
			Full term	152	91%	113	89%	28	89%	11	100%
		SU	Full term	86	93%	88	91%	81	95%	49	90%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Overall Course Success Rate by Session and Sub-session

Dept., Session and Sub-session			2017-2018 Attempted	2017-2018 % Successful
Biological/ Physical Science	Summer	Full term	1228	86%
	Fall	A term	350	82%
		B term	390	77%
		Full term	3235	77%
	Spring	A term	366	80%
		B term	411	72%
		Full term	3115	76%
		Grand Total	9,095	78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Sessions/Sub-sessions (1 of 5)

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
AST1002	683	78%
Online	526	78%
Summer 2017	104	88%
Fall 2017	211	80%
Full term	74	74%
A term	70	86%
B term	67	81%
Spring 2018	211	71%
A term	69	78%
B term	142	68%
Lecture	157	77%
Fall 2017	82	78%
Full term	82	78%
Spring 2018	75	76%
Full term	75	76%
BCH3023C	16	94%
Hybrid	16	94%
Fall 2017	16	94%
Full term	16	94%
BOT1010C	33	82%
Lecture	33	82%
Fall 2017	13	69%
Full term	13	69%
Spring 2018	20	90%
Full term	20	90%
BOT2150	7	71%
Lecture	7	71%
Spring 2018	7	71%
Full term	7	71%
BOT3151	1	100%
Lecture	1	100%
Spring 2018	1	100%
Full term	1	100%

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
BSC1005	1213	77%
Online	607	75%
Summer 2017	148	76%
Fall 2017	211	70%
Full term	72	74%
A term	68	71%
B term	71	66%
Spring 2018	248	78%
Full term	112	82%
A term	67	78%
B term	69	71%
Lecture	498	79%
Fall 2017	280	78%
Full term	280	78%
Spring 2018	218	80%
Full term	218	80%
Hybrid	108	83%
Fall 2017	63	86%
Full term	63	86%
Spring 2018	45	80%
Full term	45	80%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Sessions/Sub-sessions (2 of 5)

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
BSC1010C	679	70%
Lecture	528	66%
Summer 2017	31	94%
Fall 2017	319	67%
Full term	319	67%
Spring 2018	178	61%
Full term	178	61%
Hybrid	151	81%
Fall 2017	73	85%
Full term	73	85%
Spring 2018	78	78%
Full term	78	78%
BSC1011C	173	79%
Lecture	173	79%
Summer 2017	27	96%
Fall 2017	39	67%
Full term	39	67%
Spring 2018	107	79%
Full term	107	79%
BSC1020	516	70%
Online	408	71%
Summer 2017	104	83%
Fall 2017	156	69%
Full term	65	71%
FA7	34	74%
FB7	57	63%
Spring 2018	148	65%
Full term	74	61%
SA7	37	81%
SB7	37	57%
Lecture	108	68%
Fall 2017	90	69%
Full term	90	69%
Spring 2018	18	61%
Full term	18	61%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
BSC1085C	1475	66%
Online	293	80%
Summer 2017	97	77%
Fall 2017	142	82%
Full term	69	71%
FA7	73	92%
Spring 2018	54	81%
SA7	54	81%
Lecture	1008	62%
Summer 2017	61	66%
Fall 2017	536	67%
Full term	536	67%
Spring 2018	411	55%
Full term	411	55%
Hybrid	174	62%
Fall 2017	71	61%
Full term	71	61%
Spring 2018	103	63%
Full term	103	63%
BSC1086C	926	85%
Online	316	92%
Summer 2017	129	94%
Fall 2017	76	93%
FB7	76	93%
Spring 2018	111	89%
Full term	59	85%
SB7	52	94%
Lecture	525	82%
Summer 2017	41	83%
Fall 2017	158	80%
Full term	158	80%
Spring 2018	326	83%
Full term	326	83%
Hybrid	85	78%
Fall 2017	42	79%
Full term	42	79%
Spring 2018	43	77%
Full term	43	77%

Course Success Rates by IM and Sessions/Sub-sessions (3 of 5)

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
CHM1020	103	83%
Online	79	85%
Fall 2017	39	92%
Full term	39	92%
Spring 2018	40	78%
Full term	40	78%
Hybrid	24	79%
Spring 2018	24	79%
Full term	24	79%
CHM1025C	497	86%
Online	134	91%
Summer 2017	36	100%
Fall 2017	60	88%
Full term	60	88%
Spring 2018	38	87%
Full term	38	87%
Lecture	190	83%
Fall 2017	113	83%
Full term	113	83%
Spring 2018	77	83%
Full term	77	83%
Hybrid	173	84%
Summer 2017	44	82%
Fall 2017	38	71%
Full term	38	71%
Spring 2018	91	90%
Full term	91	90%
CHM1045C	468	74%
Lecture	468	74%
Summer 2017	75	84%
Fall 2017	225	75%
Full term	225	75%
Spring 2018	168	69%
Full term	168	69%

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
CHM1046C	179	89%
Lecture	179	89%
Summer 2017	65	94%
Fall 2017	25	76%
Full term	25	76%
Spring 2018	89	90%
Full term	89	90%
CHM2210C	39	95%
Lecture	39	95%
Fall 2017	39	95%
Full term	39	95%
CHM2211C	25	100%
Lecture	25	100%
Spring 2018	25	100%
Full term	25	100%
CHM3085	2	100%
Lecture	2	100%
Fall 2017	2	100%
Full term	2	100%
EVR2001	423	75%
Online	289	73%
Fall 2017	142	75%
A term	69	78%
B term	73	73%
Spring 2018	147	70%
A term	68	72%
B term	79	68%
Lecture	134	81%
Fall 2017	72	82%
Full term	72	82%
Spring 2018	62	81%
Full term	62	81%
EVR2933	3	100%
Lecture	3	100%
Spring 2018	3	100%
Full term	3	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates by IM and Sessions/Sub-sessions (4 of 5)

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
EVR2943	3	100%
Lecture	3	100%
Spring 2018	3	100%
Full term	3	100%
GIS2040C	15	80%
Lecture	15	80%
Fall 2017	15	80%
Full term	15	80%
GLY2010C	9	78%
Hybrid	9	78%
Fall 2017	9	78%
Full term	9	78%
MCB1010C	672	88%
Online	216	80%
Summer 2017	73	86%
Fall 2017	55	80%
Full term	55	80%
Spring 2018	88	75%
Full term	88	75%
Lecture	364	90%
Summer 2017	66	95%
Fall 2017	128	91%
Full term	128	91%
Spring 2018	170	86%
Full term	170	86%
Hybrid	92	97%
Fall 2017	46	93%
Full term	46	93%
Spring 2018	46	100%
Full term	46	100%

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
MET2010	138	84%
Online	97	89%
Summer 2017	29	90%
Fall 2017	29	90%
Full term	29	90%
Spring 2018	39	87%
Full term	39	87%
Lecture	41	73%
Fall 2017	20	65%
Full term	20	65%
Spring 2018	21	81%
Full term	21	81%
OCB2000C	25	92%
Lecture	25	92%
Fall 2017	16	94%
Full term	16	94%
Spring 2018	9	89%
Full term	9	89%
OCE1001	114	87%
Hybrid	114	87%
Fall 2017	64	89%
Full term	64	89%
Spring 2018	50	84%
Full term	50	84%
OCE2013C	3	100%
IS	3	100%
Spring 2018	3	100%
Full term	3	100%
OCE2905	1	100%
IS	1	100%
Fall 2017	1	100%
Full term	1	100%
PCB2033C	3	100%
Lecture	3	100%
Fall 2017	3	100%
Full term	3	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates by IM and Sessions/Sub-sessions (5 of 5)

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
PCB3034C	2	100%
Lecture	2	100%
Fall 2017	2	100%
Full term	2	100%
PCB3060	5	100%
Lecture	5	100%
Spring 2018	5	100%
Full term	5	100%
PCB3203	7	100%
Lecture	7	100%
Fall 2017	7	100%
Full term	7	100%
PHY1020	45	82%
Online	30	93%
Fall 2017	30	93%
Full term	30	93%
Lecture	15	60%
Spring 2018	15	60%
Full term	15	60%
PHY1053C	87	92%
Lecture	49	94%
Fall 2017	49	94%
Full term	49	94%
Hybrid	38	89%
Spring 2018	38	89%
Full term	38	89%
PHY1054C	42	95%
Lecture	42	95%
Summer 2017	19	100%
Spring 2018	23	91%
Full term	23	91%

Course, IM and Session/Sub-session	2017-2018 Attempted	% Successful
PHY2048C	91	90%
Lecture	91	90%
Fall 2017	51	92%
Full term	51	92%
Spring 2018	40	88%
Full term	40	88%
PHY2049C	70	96%
Lecture	70	96%
Summer 2017	30	93%
Spring 2018	40	98%
Full term	40	98%
PSC1121	245	88%
Online	234	87%
Summer 2017	49	90%
Fall 2017	82	89%
A term	36	89%
B term	46	89%
Spring 2018	103	84%
A term	71	87%
B term	32	78%
Lecture	11	100%
Spring 2018	11	100%
Full term	11	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates for Guaranteed Sections

Course	2016-2017		Overall	2017-2018		Overall
	Attempted	% Successful		Attempted	% Successful	
AST1002	37	92%	86%	36	78%	78%
BSC1005	103	78%	77%	91	73%	77%
BSC1020	83	70%	71%	90	69%	70%
CHM1020	36	97%	87%	24	79%	83%
OCE1001	27	81%	82%	10	100%	87%
PHY1020	38	74%	75%	15	60%	82%
PSC1121	28	89%	92%	11	100%	88%
Total	352	80%		277	74%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates for Dual Enrolled Students

Course	2017-2018		Overall
	Attempted	% Successful	
AST1002	46	85%	78%
BSC1005	81	88%	77%
BSC1010C	74	88%	70%
BSC1011C	9	89%	79%
BSC1020	22	95%	70%
BSC1085C	58	88%	66%
BSC1086C	23	100%	85%
CHM1020	7	86%	83%
CHM1025C	46	96%	86%
CHM1045C	31	84%	74%
CHM1046C	5	100%	89%
EVR2001	26	92%	75%
MCB1010C	6	100%	88%
MET2010	6	100%	84%
OCB2000C	2	100%	92%
OCE1001	10	100%	87%
PHY1020	2	100%	82%
PHY2048C	3	100%	90%
PSC1121	10	100%	88%
Total	467	90%	

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (1 of 6)

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
AST1002	670	78%
Online	519	78%
Am. Ind	1	100%
Asian	10	90%
Black	44	64%
Hawaii/Pac	1	100%
Hispanic	76	76%
Two or More Races	13	85%
White	374	79%
Lecture	151	77%
Asian	2	100%
Black	8	50%
Hispanic	46	76%
Two or More Races	3	67%
White	92	80%
BCH3023C	16	94%
Hybrid	16	94%
Asian	1	100%
Black	1	100%
Hispanic	4	100%
White	10	90%
BOT1010C	33	82%
Lecture	33	82%
Black	3	33%
Hispanic	1	100%
Two or More Races	2	100%
White	27	85%
BOT2150	7	71%
Lecture	7	71%
Hispanic	1	0%
White	6	83%
BOT3151	1	100%
Lecture	1	100%
White	1	100%

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
BSC1005	1197	77%
Online	598	75%
Asian	5	80%
Black	83	58%
Hispanic	110	75%
Two or More Races	30	70%
White	370	79%
Lecture	491	78%
Am. Ind	2	50%
Asian	6	100%
Black	59	61%
Hawaii/Pac	2	100%
Hispanic	93	74%
Two or More Races	19	68%
White	310	83%
Hybrid	108	83%
Black	14	71%
Hispanic	22	82%
Two or More Races	4	100%
White	68	85%
BSC1010C	665	70%
Lecture	517	66%
Am. Ind	2	50%
Asian	13	85%
Black	51	49%
Hispanic	96	69%
Two or More Races	22	36%
White	333	70%
Hybrid	148	82%
Am. Ind	1	100%
Asian	7	86%
Black	17	82%
Hispanic	17	82%
Two or More Races	8	75%
White	98	83%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
BSC1011C	168	79%
Lecture	168	79%
Asian	8	88%
Black	8	88%
Hawaii/Pac	1	100%
Hispanic	37	76%
Two or More Races	7	86%
White	107	79%
BSC1020	508	70%
Online	402	71%
Am. Ind	3	67%
Asian	11	64%
Black	48	50%
Hispanic	59	69%
Two or More Races	17	65%
White	264	75%
Lecture	106	68%
Asian	2	50%
Black	16	38%
Hispanic	21	57%
Two or More Races	3	100%
White	64	78%
BSC1085C	1453	66%
Online	289	80%
Am. Ind	2	100%
Asian	6	83%
Black	44	61%
Hispanic	40	73%
Two or More Races	12	83%
White	185	85%

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
BSC1085C	1453	66%
Lecture	993	62%
Am. Ind	6	83%
Asian	20	65%
Black	148	35%
Hawaii/Pac	2	50%
Hispanic	198	65%
Two or More Races	44	68%
White	575	67%
Hybrid	171	63%
Asian	6	67%
Black	15	53%
Hispanic	21	52%
Two or More Races	17	59%
White	112	66%
BSC1086C	915	85%
Online	313	92%
Am. Ind	2	100%
Asian	10	90%
Black	33	82%
Hawaii/Pac	1	100%
Hispanic	47	96%
Two or More Races	11	91%
White	209	93%
Lecture	517	81%
Am. Ind	4	100%
Asian	11	64%
Black	74	72%
Hawaii/Pac	1	0%
Hispanic	87	80%
Two or More Races	16	94%
White	324	84%
Hybrid	85	78%
Asian	2	100%
Black	13	54%
Hispanic	16	94%
Two or More Races	4	75%
White	50	78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Course Success Rates by IM and Race/Ethnicity (3 of 6)

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
CHM1020	102	83%
Online	78	85%
Asian	3	100%
Black	10	70%
Hispanic	7	71%
Two or More Races	3	100%
White	55	87%
Hybrid	24	79%
Black	2	50%
Hispanic	4	75%
Two or More Races	3	100%
White	15	80%
CHM1025C	492	85%
Online	132	91%
Asian	4	100%
Black	11	100%
Hispanic	18	78%
Two or More Races	2	100%
White	97	92%
Lecture	187	83%
Am. Ind	1	100%
Asian	11	82%
Black	20	65%
Hispanic	30	93%
Two or More Races	6	50%
White	119	85%
Hybrid	173	84%
Am. Ind	1	100%
Asian	5	100%
Black	19	89%
Hispanic	34	82%
Two or More Races	7	71%
White	107	83%

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
CHM1045C	458	74%
Lecture	458	74%
Asian	26	77%
Black	33	79%
Hispanic	80	73%
Two or More Races	19	68%
White	300	74%
CHM1046C	175	89%
Lecture	175	89%
Asian	10	90%
Black	17	94%
Hispanic	32	97%
Two or More Races	6	83%
White	110	86%
CHM2210C	38	95%
Lecture	38	95%
Asian	3	100%
Black	2	100%
Hawaii/Pac	1	100%
Hispanic	6	100%
Two or More Races	2	50%
White	24	96%
CHM2211C	25	100%
Lecture	25	100%
Asian	2	100%
Black	1	100%
Hawaii/Pac	1	100%
Hispanic	5	100%
White	16	100%
CHM3085	2	100%
Lecture	2	100%
White	2	100%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (4 of 6)

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
EVR2001	414	76%
Online	285	73%
Asian	6	100%
Black	36	53%
Hawaii/Pac	1	0%
Hispanic	49	69%
Two or More Races	8	63%
White	185	77%
Lecture	129	82%
Asian	3	100%
Black	22	68%
Hawaii/Pac	1	100%
Hispanic	11	91%
Two or More Races	8	88%
White	84	83%
EVR2933	3	100%
Lecture	3	100%
White	3	100%
EVR2943	3	100%
Lecture	3	100%
White	3	100%
GIS2040C	15	80%
Lecture	15	80%
Hispanic	1	0%
White	14	86%
GLY2010C	9	78%
Hybrid	9	78%
Hispanic	1	100%
Two or More Races	1	100%
White	7	71%

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
MCB1010C	659	88%
Online	212	80%
Am. Ind	1	100%
Asian	4	100%
Black	28	64%
Hispanic	35	83%
Two or More Races	9	89%
White	135	81%
Lecture	355	90%
Am. Ind	2	100%
Asian	11	100%
Black	48	88%
Hawaii/Pac	1	100%
Hispanic	62	85%
Two or More Races	10	80%
White	221	91%
Hybrid	92	97%
Am. Ind	1	100%
Asian	3	67%
Black	14	100%
Hawaii/Pac	1	0%
Hispanic	12	100%
Two or More Races	1	100%
White	60	98%
MET2010	136	84%
Online	96	89%
Am. Ind	1	100%
Asian	2	50%
Black	5	100%
Hispanic	15	93%
Two or More Races	3	100%
White	70	87%
Lecture	40	73%
Asian	2	100%
Black	5	80%
Hispanic	10	30%
White	23	87%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (5 of 6)

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
OCB2000C	24	92%
Lecture	24	92%
Asian	1	100%
Black	1	100%
Hispanic	2	50%
Two or More Races	1	100%
White	19	95%
OCE1001	112	87%
Hybrid	112	87%
Asian	2	100%
Black	3	33%
Hispanic	7	86%
Two or More Races	8	100%
White	92	87%
OCE2013C	3	100%
IS	3	100%
White	3	100%
OCE2905	1	100%
IS	1	100%
White	1	100%
PCB2033C	3	100%
Lecture	3	100%
White	3	100%
PCB3034C	2	100%
Lecture	2	100%
White	2	100%
PCB3060	5	100%
Lecture	5	100%
Hispanic	1	100%
White	4	100%
PCB3203	7	100%
Lecture	7	100%
Hispanic	1	100%
Two or More Races	1	100%
White	5	100%

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
PHY1020	45	82%
Online	30	93%
Black	3	100%
Hispanic	8	88%
Two or More Races	1	100%
White	18	94%
Lecture	15	60%
Asian	1	100%
Hispanic	2	100%
Two or More Races	1	100%
White	11	45%
PHY1053C	87	92%
Lecture	49	94%
Asian	6	83%
Black	5	100%
Hispanic	9	89%
Two or More Races	2	100%
White	27	96%
Hybrid	38	89%
Asian	1	100%
Black	3	67%
Hawaii/Pac	1	0%
Hispanic	6	100%
White	27	93%
PHY1054C	42	95%
Lecture	42	95%
Asian	7	100%
Black	4	75%
Hispanic	6	100%
Two or More Races	2	100%
White	23	96%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Course Success Rates by IM and Race/Ethnicity (6 of 6)

Course, IM, Race/Ethnicity	# Students Enrolled	Success Rate
PHY2049C	67	96%
Lecture	67	96%
Asian	9	100%
Black	5	100%
Hispanic	16	100%
Two or More Races	4	50%
White	33	97%
PSC1121	243	88%
Online	232	87%
Asian	5	100%
Black	22	91%
Hispanic	43	91%
Two or More Races	13	92%
White	149	85%
Lecture	11	100%
Hispanic	4	100%
Two or More Races	1	100%
White	6	100%
Grand Total	8892	78%

Indicates a success rate of 90% or higher
Indicates a success rate between 70% and 89%
Indicates a success rate below 70%

Source: IR Program Assessment Data

Grade Distribution (1 of 4)

Session	Course	2017-2018							
		A	B	C	D	F	FNs	Ws	W1s
Summer 2017	AST1002	37	40	14	4	3	1	2	3
	BSC1005	42	47	23	6	18	0	9	3
	BSC1010C	10	12	7	2	0	0	0	0
	BSC1011C	23	3	0	0	0	0	0	1
	BSC1020	42	29	15	2	7	0	4	5
	BSC1085C	33	38	44	19	13	0	8	3
	BSC1086C	61	70	24	4	3	1	5	2
	CHM1025C	48	22	2	5	1	0	2	0
	CHM1045C	24	21	18	1	2	0	9	0
	CHM1046C	38	15	8	1	0	0	3	0
	MCB1010C	57	54	15	3	2	0	6	2
	MET2010	15	9	2	1	0	1	1	0
	PHY1054C	14	4	1	0	0	0	0	0
	PHY2049C	2	14	12	0	0	0	2	0
	PSC1121	36	5	3	1	1	0	1	2
	Total	482(39.3%)	383(31.2%)	188(15.3%)	49(4%)	50(4.1%)	3(0.2%)	52(4.2%)	21(1.7%)

Grade Distribution (2 of 4)

Session	Course	2017-2018							
		A	B	C	D	F	FNs	Ws	W1s
Fall 2017	AST1002	164	48	21	16	22	6	13	3
	BCH3023C	14	1	0	0	0	0	1	0
	BOT1010C	3	5	1	0	1	2	0	1
	BSC1005	191	141	87	36	39	18	27	15
	BSC1010C	89	112	74	25	41	2	42	7
	BSC1011C	5	10	11	9	1	0	3	0
	BSC1020	67	68	34	14	18	16	16	13
	BSC1085C	144	216	160	49	74	13	62	31
	BSC1086C	86	89	55	14	10	2	20	0
	CHM1020	25	7	4	0	0	2	1	0
	CHM1025C	78	70	26	8	6	6	14	3
	CHM1045C	57	63	48	18	10	1	22	6
	CHM1046C	6	7	6	0	1	1	4	0
	CHM2210C	9	16	12	0	1	0	1	0
	CHM3085	2	0	0	0	0	0	0	0
	EVR2001	63	66	37	15	18	6	3	6

Grade Distribution (3 of 4)

Session	Course	2017-2018							
		A	B	C	D	F	FNs	Ws	W1s
Fall 2017	GIS2040C	9	3	0	0	2	0	0	1
	GLY2010C	1	3	3	1	0	0	1	0
	MCB1010C	91	79	34	3	9	1	10	2
	MET2010	20	11	8	1	7	1	1	0
	OCB2000C	4	4	7	0	0	0	1	0
	OCE1001	17	21	19	0	1	2	2	2
	OCE2905	1	0	0	0	0	0	0	0
	PCB2033C	2	1	0	0	0	0	0	0
	PCB3034C	2	0	0	0	0	0	0	0
	PCB3203	7	0	0	0	0	0	0	0
	PHY1020	13	9	6	0	0	0	0	2
	PHY1053C	28	13	5	0	2	0	1	0
	PHY2048C	6	11	30	0	0	0	3	1
	PSC1121	45	17	11	0	3	0	2	4
	Total	1,249(31.7%)	1,091(27.7%)	699(17.7%)	209(5.3%)	266(6.8%)	79(2%)	250(6.3%)	97(2.5%)

Grade Distribution (4 of 4)

Session	Course	2017-2018							
		A	B	C	D	F	FNs	Ws	W1s
Spring 2018	AST1002	73	82	52	20	33	0	15	11
	BOT1010C	10	6	2	0	1	0	0	1
	BOT2150	4	1	0	0	0	0	2	0
	BOT3151	0	1	0	0	0	0	0	0
	BSC1005	154	167	82	24	27	7	25	25
	BSC1010C	63	63	44	15	25	2	33	11
	BSC1011C	36	26	23	9	2	0	9	2
	BSC1020	55	36	16	10	18	3	14	14
	BSC1085C	81	148	104	39	52	17	114	13
	BSC1086C	108	185	108	23	22	1	23	10
	CHM1020	37	12	1	3	1	7	2	1
	CHM1025C	106	51	22	7	7	4	6	3
	CHM1045C	41	46	29	9	17	1	22	3
	CHM1046C	39	21	20	2	2	0	4	1
	CHM2211C	14	6	5	0	0	0	0	0
	EVR2001	57	68	28	10	20	1	16	9
	EVR2933	3	0	0	0	0	0	0	0
	EVR2943	3	0	0	0	0	0	0	0
	MCB1010C	110	107	42	9	6	3	23	4
	MET2010	25	17	9	0	1	3	2	3
	OCB2000C	2	3	3	1	0	0	0	0
	OCE1001	16	16	10	2	1	1	3	1
	OCE2013C	2	1	0	0	0	0	0	0
	PCB3060	1	2	2	0	0	0	0	0
	PHY1020	3	4	2	1	4	0	0	1
	Total	1,141(29.5%)	1,138(29.4%)	664(17.2%)	189(4.9%)	250(6.5%)	50(1.3%)	322(8.3%)	116(3%)
Grand Total		2,872(31.8%)	2,612(28.9%)	1,551(17.2%)	447(4.9%)	566(6.3%)	132(1.5%)	624(6.9%)	234(2.6%)

Average Class Size by Course (1 of 3)

Dept. and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2018	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
Biological/ Physical Sciences	AST1002	13	42	12	59	12	57	12	57
	BOT1010C	2	19	2	19	2	20	2	17
	BOT2150			1	9	1	7	1	7
	BSC1005	18	42	21	43	24	52	29	42
	BSC1010C	13	40	15	41	15	40	14	49
	BSC1011C	5	22	5	29	5	29	5	35
	BSC1020	14	47	17	45	16	39	14	37
	BSC1085C	24	57	25	61	25	58	26	57
	BSC1086C	23	34	22	44	21	40	21	44
	BSC2930	9	49	5	40				
	CHM1020			3	25	4	32	3	34
	CHM1025C	20	39	20	41	19	33	17	29
	CHM1045C	8	44	8	47	10	49	9	52
	CHM1046C	5	33	5	30	6	30	7	26
	CHM2210C	1	34	1	49	1	41	1	39
	CHM2211C	1	24	1	37	1	32	1	25

Years are reporting years, SU-SP.
Blank cells or missing years indicate no enrollment.
To prevent data from skewing, excludes labs, OJT, clinicals, private/performance, open lab, co-op, directed independent study and internships.

Source: IR Program Assessment Data

Average Class Size by Course (2 of 3)

Dept. and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2018	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
Biological/ Physical Sciences	EVR2001	1	7	2	18	3	55	7	60
	EVR2943					1	5	1	3
	GLY2010C	1	16	1	14	1	5	1	9
	MCB1010	17	32	15	42	3	40		
	MCB1010C					13	34	15	45
	MET2010	8	49	7	42	7	36	5	28
	OCB2000C	2	30	2	24	2	18	2	13
	OCE1001	5	29	5	24	6	29	6	19
	OCE2905							1	1
	PHY1020	1	25	2	24	2	47	2	23
	PHY1053C	2	42	3	38	3	26	2	44
	PHY1054C	1	39	2	15	3	15	2	21
	PHY2048C	1	65	2	55	2	54	2	46
	PHY2049C	1	44	1	59	2	34	2	35
	PSC1121	18	44	11	60	9	47	8	31
	Total	212	41	230	43	219	42	218	37

Years are reporting years, SU-SP.

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, excludes labs, OJT, clinicals, private/performance, open lab, co-op, directed independent study and internships.

Source: IR Program Assessment Data

Average Class Size by Course (3 of 3)

Major and Associated Courses		2014-2015		2015-2016		2016-2017		2017-2018	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2230 - Environmental Science Tech.	EVR2933	1	5	1	5	1	5	1	3
	GIS2040C	1	16	1	10	1	16	1	15
	OCE2013C	1	7	1	5	1	5	1	3
	PCB2033C	1	5	1	5	1	9	1	3
	Total	6	11	8	14	4	9	4	8
Upper Division Courses	BCH3023C	1	6	1	10	1	15	1	16
	CHM3085			1	7			1	2
	CHM3120			1	4				
	PCB3034C	1	3	1	5	1	2	1	2
	PCB3060	1	11	1	10	1	7	1	5
	PCB3203	1	5	1	8	1	10	1	7
	BOT3151	1	2	1	4	1	3	1	1
	OCE3014C			1	4	1	1		
	Total	5	6	8	4	6	6	6	6

Years are reporting years, SU-SP.

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, excludes labs, OJT, clinicals, private/performance, open lab, co-op, directed independent study and internships.

Source: IR Program Assessment Data

Average Class Size – Multiple Methods Only (1 of 2)

Dept., Associated Courses and Instructional Method			2014-2015		2015-2016		2016-2017		2017-2018	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
Biological/Physical Sciences	AST1002	Lecture	4	32	4	42	4	43	4	39
		Online	9	47	8	68	8	64	8	66
	BSC1005	Hybrid	2	27	3	30	1	39	3	36
		Lecture	11	47	10	44	12	49	14	36
		Online	5	35	8	47	11	56	12	51
	BSC1010C	Lecture					13	46	11	48
		Hybrid					1	45	3	50
	BSC1020	Lecture	6	49	6	39	4	43	3	36
		Online	8	47	11	48	12	38	11	37
	BSC1085C	Hybrid					1	71	3	58
		Lecture	22	55	20	63	19	58	18	56
		Online	2	78	5	57	5	58	5	59
	BSC1086C	Hybrid							2	43
		Lecture	21	34	17	40	16	33	13	40
		Online	2	40	5	57	5	56	6	53
	BSC2930	Lecture	2	33	1	34				
		Online	7	54	4	41				
	CHM1020	Hybrid			1	9	1	36	1	24
		Online			2	33	3	31	2	40
	CHM1025C	Hybrid	5	24	6	33	6	29	7	25
		Lecture	13	44	11	45	11	33	7	27
		Online	2	40	3	41	2	50	3	45

To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships. Years are reporting years, SU-SP. Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Average Class Size – Multiple Methods Only (2 of 2)

Dept., Associated Courses and Instructional Method			2014-2015		2015-2016		2016-2017		2017-2018	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
Biological/Physical Sciences	EVR2001	Hybrid					2	53		
		Lecture							2	67
		Online					1	60	5	58
	MCB1010C	Hybrid			1	28	2	29	3	31
		Lecture	15	31	10	46	10	41	7	52
		Online	2	40	4	36	4	34	5	43
	MET2010	Lecture	2	72	2	53	2	39	2	21
		Online	6	41	5	37	5	35	3	32
	PHY1020	Lecture					1	38	1	15
		Online					1	55	1	30
	PHY1053C	Hybrid			1	41			1	38
		Lecture			2	37			1	49
	PSC1121	Hybrid	1	28						
		Lecture	3	47	1	30	1	28	1	11
		Online	14	45	10	63	8	50	7	33

To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships. Years are reporting years, SU-SP. Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Average Class Size Totals

Dept. and Instructional Method		2017-2018 Sections	2017-2018 Avg. Size
Biological/Physical Sciences	IS	2	2
	Online	68	47
	Lecture	133	37
	Hybrid	31	32
	Total	234	39

College Total

Instructional Method	2014-2015 Avg. Size	2015-2016 Avg. Size	2016-2017 Avg. Size	2017-2018 Avg. Size
Hybrid	22	21	23	22
Lecture	22	22	21	21
Online	29	30	30	29

To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships. Years are reporting years, SU-SP. Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Average Class Size By Campus (1 of 2)

Courses, IM and Campus	2017-2018 Sections	2017-2018 Avg. Size
AST1002	12	57
DELT	1	36
DLND	2	42
FLAG	1	38
ONLN	8	66
BCH3023C	1	16
DAYT	1	16
BOT1010C	2	17
DAYT	2	17
BOT2150	1	7
DAYT	1	7
BOT3151	1	1
DAYT	1	1
BSC1005	29	42
DAYT	9	40
DELT	1	36
DLND	2	34
FLAG	3	36
NSB	2	17
ONLN	12	51
BSC1010C	14	49
DAYT	7	49
DLND	3	58
FLAG	2	66
NSB	2	16
BSC1011C	5	35
DAYT	4	33
DLND	1	40
BSC1020	14	37
DAYT	1	51
DLND	2	29
ONLN	11	37

Courses, IM and Campus	2017-2018 Sections	2017-2018 Avg. Size
BSC1085C	26	57
DAYT	12	58
DLND	6	52
FLAG	2	70
NSB	1	34
ONLN	5	59
BSC1086C	21	44
DAYT	7	49
DLND	6	30
FLAG	2	43
ONLN	6	53
CHM1020	3	34
FLAG	1	24
ONLN	2	40
CHM1025C	17	29
DAYT	7	28
DLND	4	19
FLAG	3	31
ONLN	3	45
CHM1045C	9	52
DAYT	6	62
DLND	2	38
FLAG	1	19
CHM1046C	7	26
DAYT	5	31
DLND	1	19
FLAG	1	7
CHM2210C	1	39
DAYT	1	39
CHM2211C	1	25
DAYT	1	25
CHM3085	1	2
DAYT	1	2

To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships. Years are reporting years, SU-SP. Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Average Class Size By Campus (2 of 2)

Courses, IM and Campus	2017-2018 Sections	2017-2018 Avg. Size
EVR2001	7	60
DAYT	2	67
ONLN	5	58
EVR2933	1	3
DAYT	1	3
EVR2943	1	3
DAYT	1	3
GIS2040C	1	15
DAYT	1	15
GLY2010C	1	9
DAYT	1	9
MCB1010C	15	45
DAYT	5	48
DLND	4	43
FLAG	2	38
ONLN	4	47
MET2010	5	28
DAYT	2	21
ONLN	3	32
OCB2000C	2	13
DAYT	2	13
OCE1001	6	19
DAYT	3	22
DLND	1	17
FLAG	1	21
NSB	1	10
OCE2013C	1	3
DAYT	1	3
OCE2905	1	1
DAYT	1	1
PCB2033C	1	3
DAYT	1	3

Courses, IM and Campus	2017-2018 Sections	2017-2018 Avg. Size
PCB3034C	1	2
DAYT	1	2
PCB3060	1	5
DAYT	1	5
PCB3203	1	7
DAYT	1	7
PHY1020	2	23
DAYT	1	15
ONLN	1	30
PHY1053C	2	44
DAYT	2	44
PHY1054C	2	21
DAYT	2	21
PHY2048C	2	46
DAYT	2	46
PHY2049C	2	35
DAYT	2	35
PSC1121	8	31
DLND	1	11
ONLN	7	33
Grand Total	228	40

To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships. Years are reporting years, SU-SP. Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

Graduation Rates

Major	Fall Cohort Year	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
2230-Environmental Science Technology	2012	5	0	0.0%	1	20%
	2013	15	1	6.7%	1	6.7%
	2014 – 200% in progress	17	3	17.6%	3	17.6%
	2015 – in progress	10	2	20.0%	2	20.0%

College average (150%- 58.3%, 200%- 66.1%)

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Graduation Rates by Race /Ethnicity

Major	Fall Cohort Year	Race/Ethnicity	# in Cohort	Graduated within 150% Time	150% Graduation Rate	Graduated within 200% Time	200% Graduation Rate
2230-Environmental Science Technology	2015 – in progress	Asian	1	0	0.0%	0	0.0%
		Hispanic	1	1	0.0%	1	0.0%
		White	6	2	25.0%	6	25.0%

College average (150%- 58.3%, 200%- 66.1%)

Fall Cohort Year includes prior Summer term enrollment in major.

Graduation within 200% time includes graduates within 150% time.

Source: IR Program Assessment Data

Retention Rates

Program and Year		Registered	Exclusions	Adjusted Cohort	Retained by DSC		Retained by Program		Total Retained
					N	%	N	%	
2230 - ENVIRONMENTAL SCIENCE TECH.	2012	22	0	22	2	9.09%	9	40.91%	50.00%
	2013	39	2	37	6	16.22%	11	29.73%	45.95%
	2014	33	3	30	5	16.67%	10	33.33%	49.99%
	2015	32	4	28	3	10.71%	9	32.14%	42.85%
	2016	26	4	22	0	0.00%	10	45.00%	45.00%

College average (67.1%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

2016-2017 Retention Rates by Race/Ethnicity

Major	Fall Term	Registered	Exclusions	Adjusted Cohort	Retained by Program	
					N	%
2230 - ENVIRONMENTAL SCIENCE TECH.	Black	2	0	2	1	50%
	Hispanic	4	1	3	0	0%
	White	20	3	17	9	53%

**three students retained by DSC*

College average (African American: 49.9%, Hispanic: 66.3%)

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.
Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.
Adjusted Cohort - Registered students less exclusions.
Not retained - Students who were not registered the following fall term.
Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.
Retained by Program - Students who were registered the following fall with the same primary major.

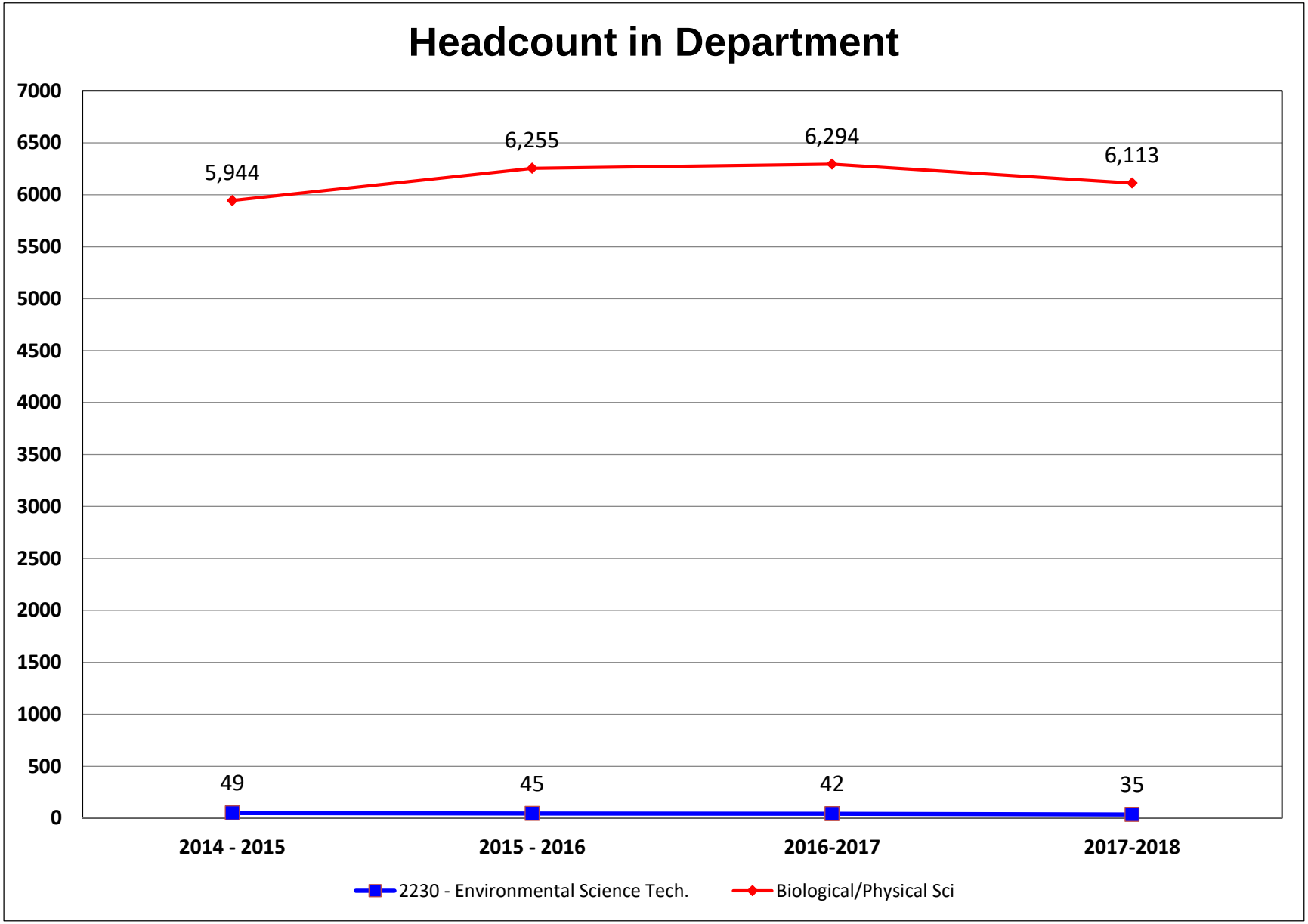
Source: IR Program Assessment Data

Placement Rates
(College average: 95.5%)

Program Title	Major	2011/12 DSC%	2011/12 FCS%	2012/13 DSC%	2012/13 FCS%	2013/14 DSC%	2013/14 FCS%	2014/15 DSC%	2014/15 FCS%	2015/16 DSC%	2015/16 FCS%	Average Annual Salary
Environmental Science Tech.	2230	Program started in 2011				100%	79%	100%	68%	100%	69%	$**,***

Indicates the College average above the State Averages
Indicates the College average same as the State Averages
Indicates the College average below the State Averages

Source: IR Program Assessment Data

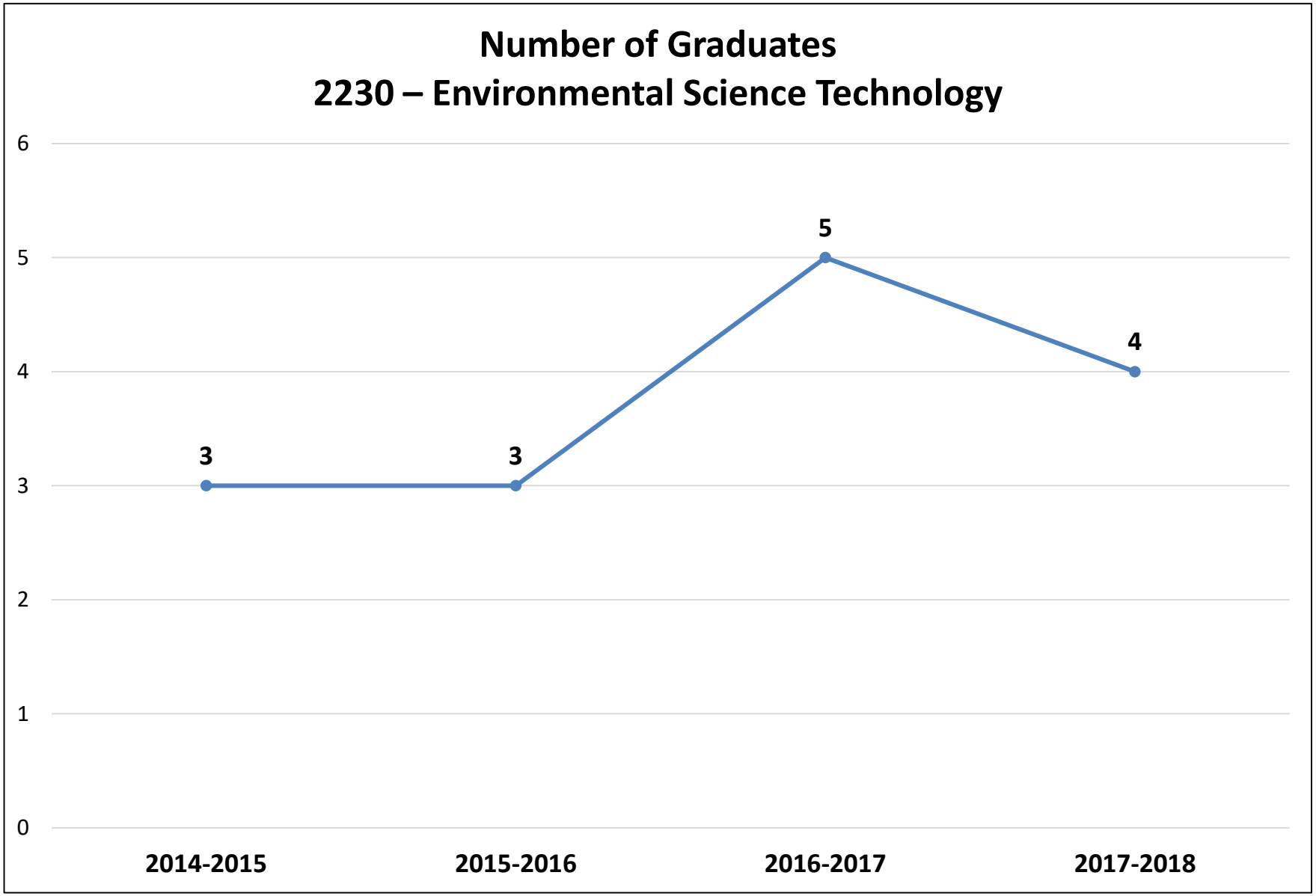


College Enrollment Decreased: 0.7%(14/15); 1.15% (15/16); 3.7%(16/17); 0.7%(17/18)

Dual Enrollment count for 2017-2018: 337

Headcount in majors includes students who have declared that major.
Headcount in department includes students taking courses in the department.

Source: IR Program Assessment Data



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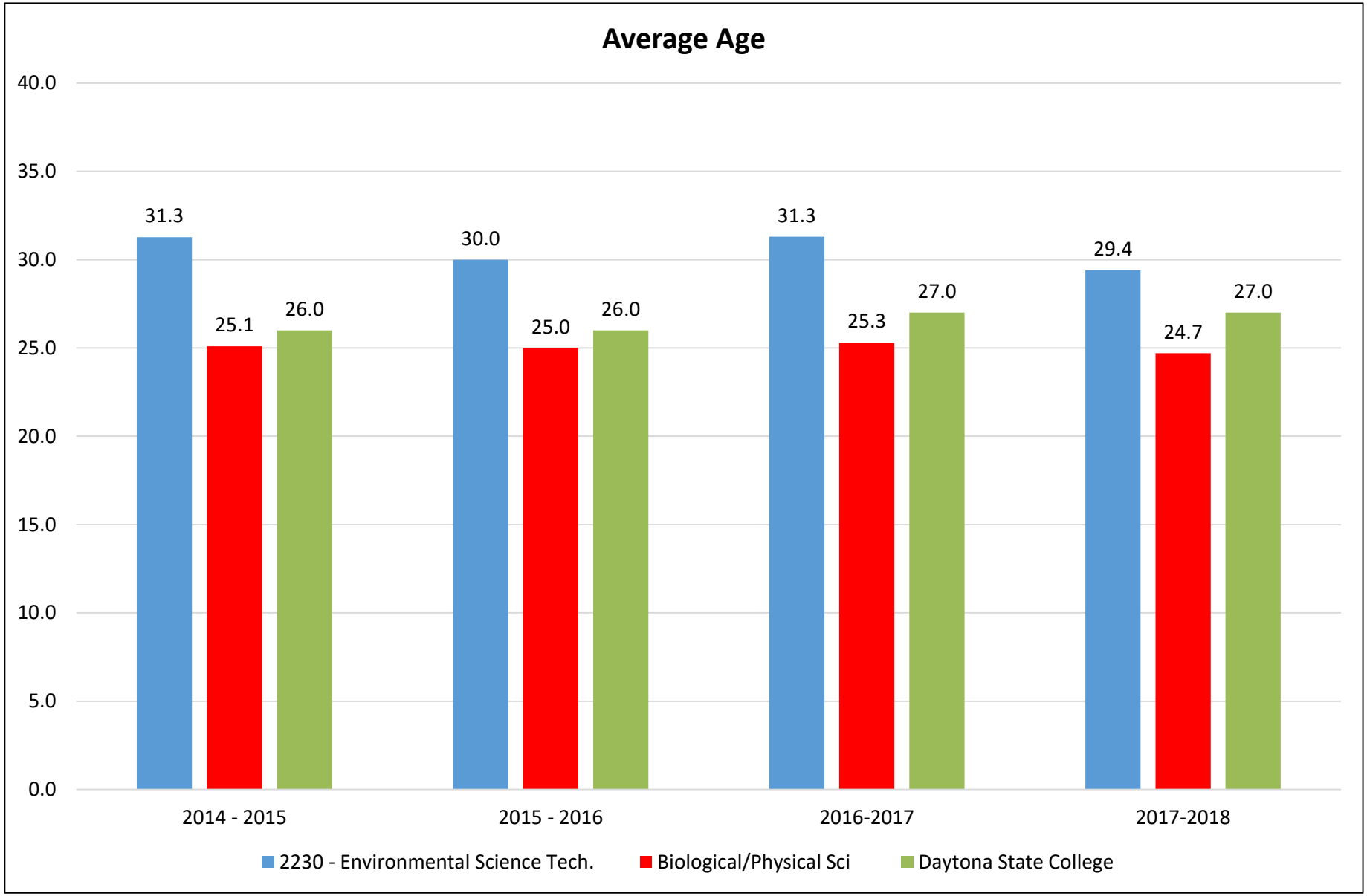
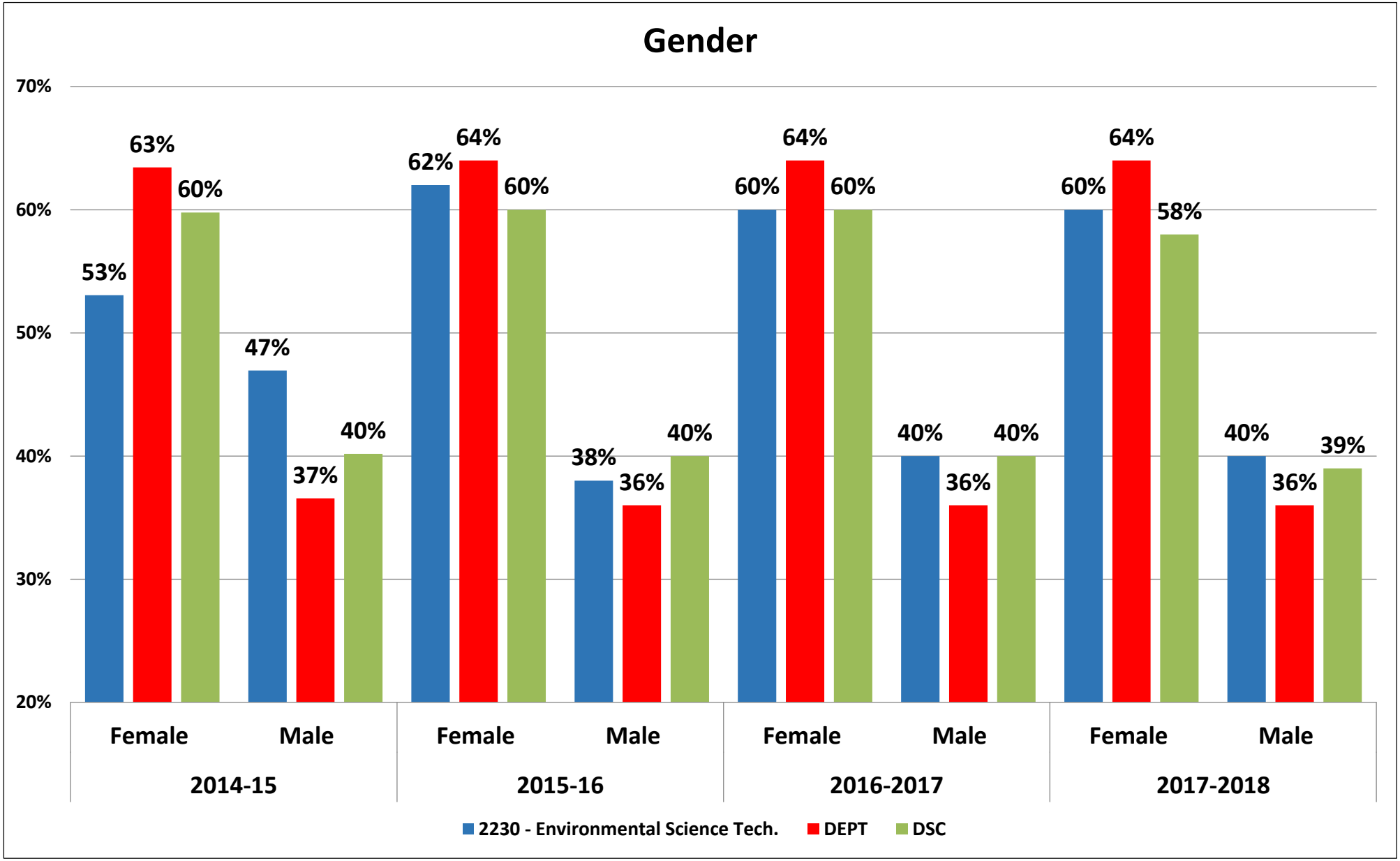


Calculation excludes individuals whose birthdates are not reported.

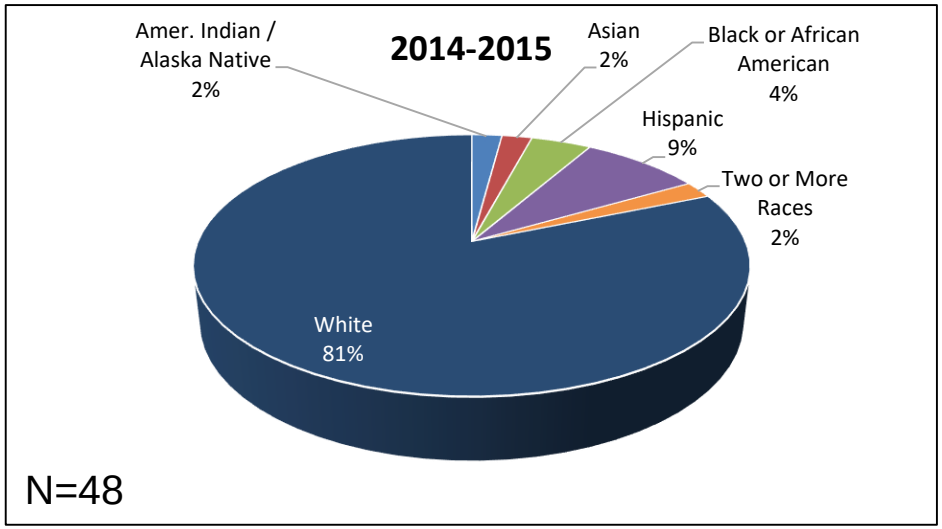
Source: IR Program Assessment Data

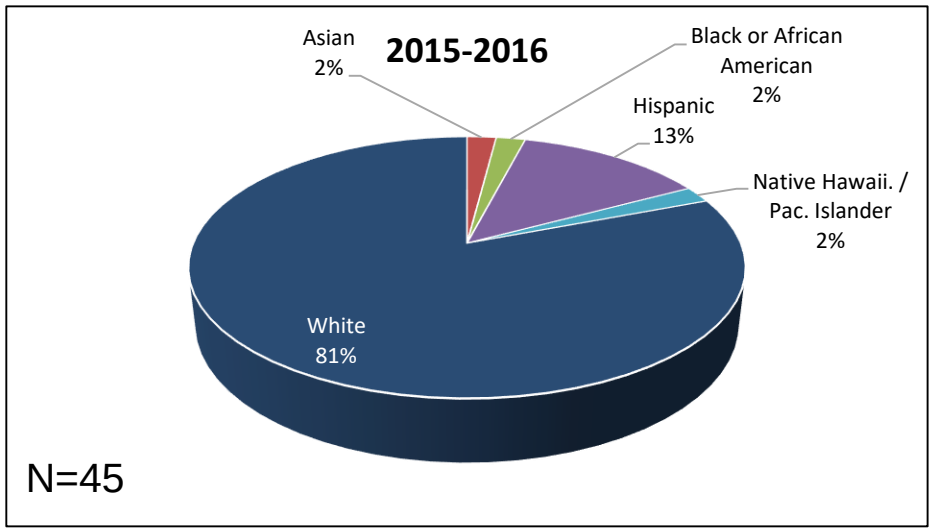


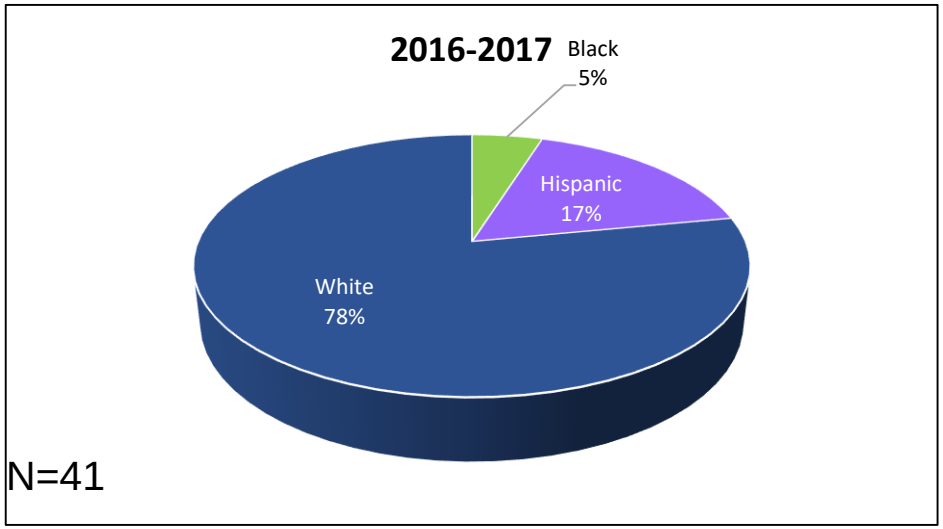
Excludes individuals whose gender is not reported.

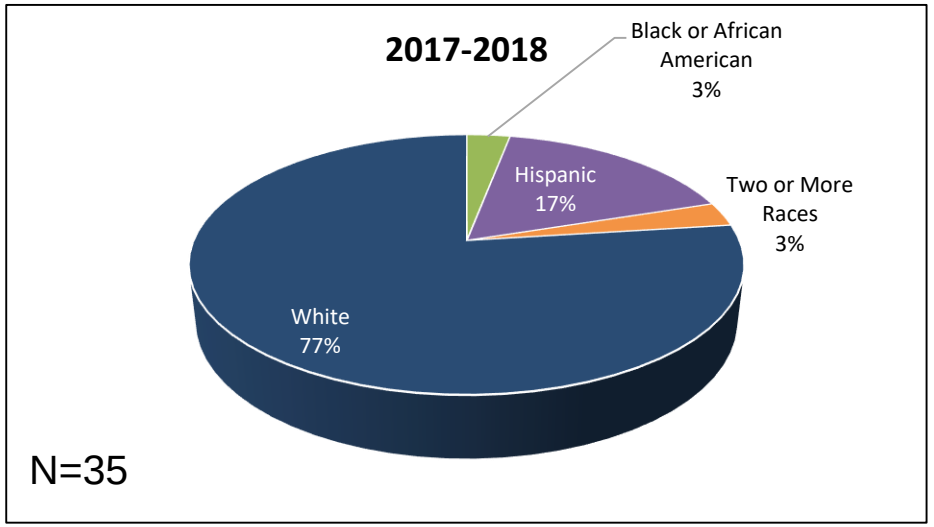
Source: IR Program Assessment Data

Enrollment by Race/Ethnicity
2230 - Environmental Science Tech.







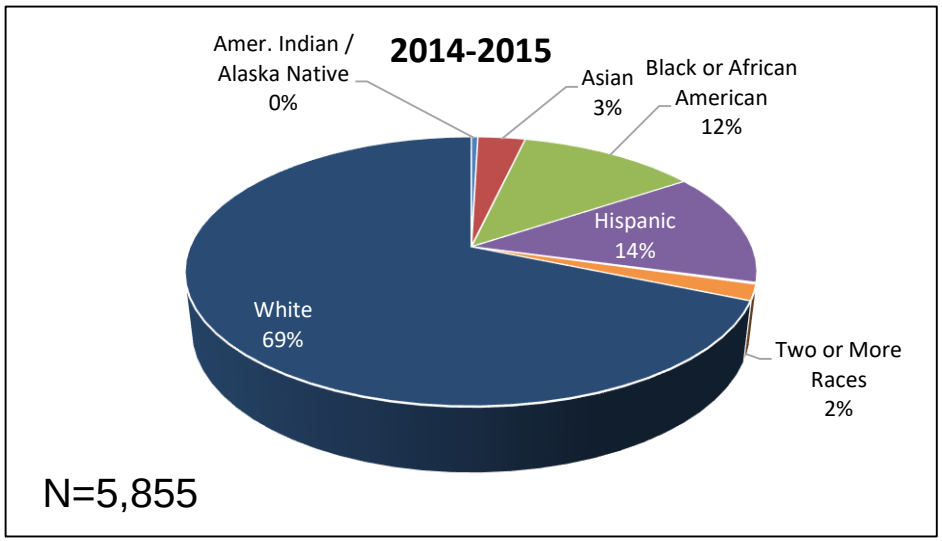


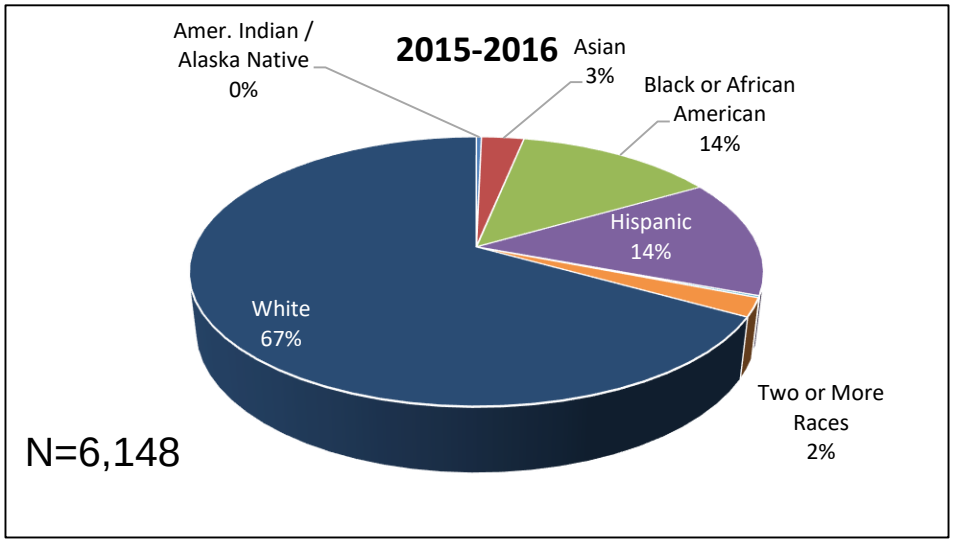
DSC Averages 2017-2018			
Black or African Amer	Hispanic	2 or More Races	White
14%	**19%**	**3%**	**59%**

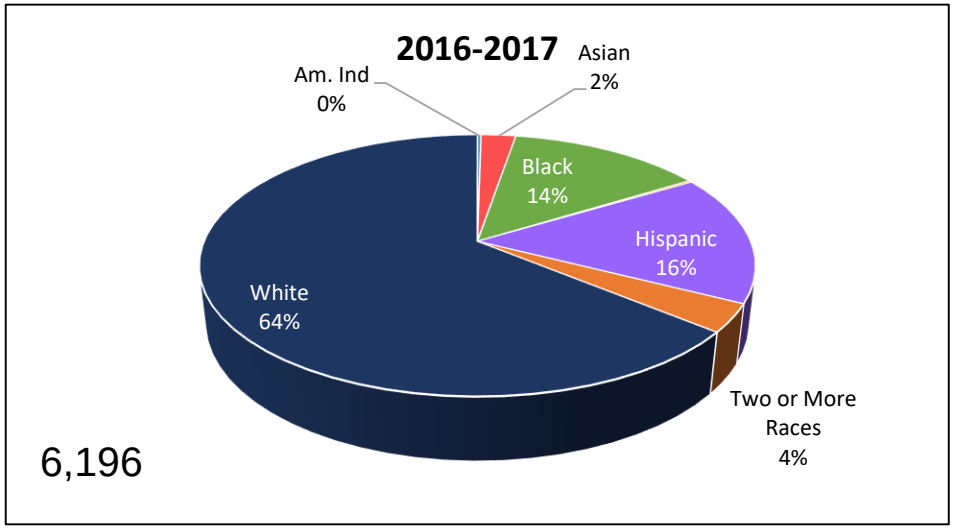
Excludes individuals whose race / ethnicity is not reported.

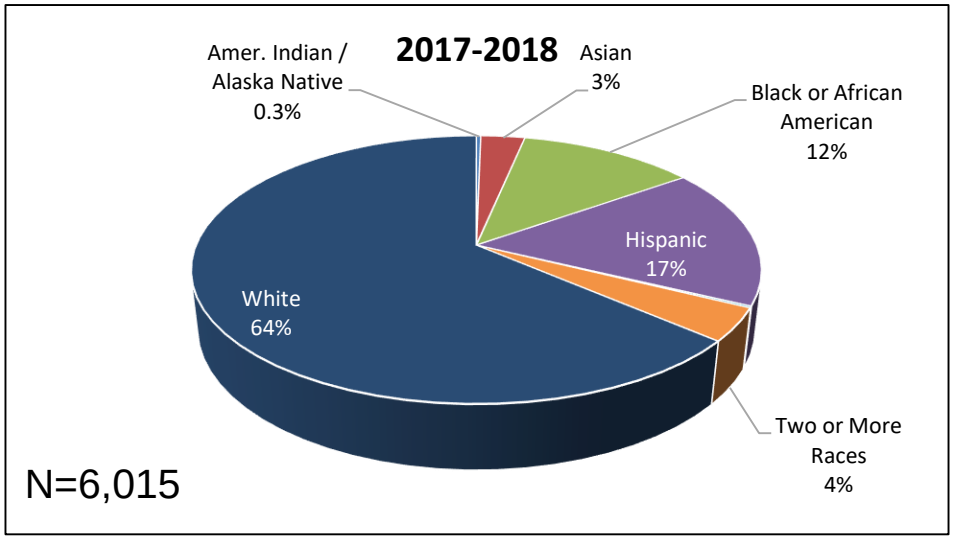
Source: IR Program Assessment Data

Enrollment by Race/Ethnicity
School of Biological and Physical Sciences









DSC Averages 2017-2018			
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Source: IR Program Assessment Data